



Convention on
Biological Diversity



Aichi Biodiversity Target 11 Country Dossier: FRANCE

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GLOSSARY

AZEs	Alliance for Zero Extinction sites
CEPF	Critical Ecosystem Partnership Fund
EBSA	Ecologically or Biologically Significant Marine Area
EEZ	Exclusive Economic Zone
GCF	Green Climate Fund
GD-PAME	Global Database on Protected Area Management Effectiveness
GEF	Global Environment Facility
IBA	Important Bird and Biodiversity Area
ICCAs	Indigenous and Community Conserved Area Area (may also be referred to as territories and areas conserved by Indigenous peoples and local communities or “territories of life”)
IPLC	Indigenous Peoples and Local Communities
KBA	Key Biodiversity Area
MEOW	Marine Ecosystems of the World
MPA	Marine Protected Area
NBSAP	National Biodiversity Strategy and Action Plan
OECD	Other Effective Area-Based Conservation Measures
PA	Protected Area
PAME	Protected Area Management Effectiveness
PPA	Privately Protected Area
PPOW	Pelagic Provinces of the World
ProtConn	Protected Connected land indicator
SOC	Soil Organic Carbon
TEOW	Terrestrial Ecosystems of the World
WDPA	World Database on Protected Areas
WD-OECD	World Database on Other Effective Area-Based Conservation Measures

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This country dossier is compiled by the UNDP and SCBD from publicly available information. It is prepared, within the overall work of the Global Partnership on Aichi Biodiversity Target 11, for the purpose of attracting the attention of the Party concerned and other national stakeholders to facilitate the verification, correcting, and updating of country data. The statistics might differ from those reported officially by the country due to differences in methodologies and datasets used to assess protected area coverage and differences in the base maps used to measure terrestrial and marine area of a country or territory. Furthermore, the suggestions from the UNDP and SCBD are based on analyses of global datasets, which may not necessarily be representative of national policy or criteria used at the national level. The analyses are also subject to the limits inherent in global indicators (precision, reliability, underlying assumptions, etc.). Therefore, they provide useful information but cannot replace analyses at a national level nor constitute a future benchmark for national policy or decision-making.

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EXECUTIVE SUMMARY

This document provides information on the coverage of protected areas (PAs) and other effective area-based conservation measures (OECMs), as currently reported in global databases (the World Database on Protected Areas ([WDPA](#)) and World Database on Other Effective Area-Based Conservation Measures ([WD-OECM](#))). It also includes details on the status of the other qualifying elements of Aichi Biodiversity Target 11 based on this data. These statistics might differ from those reported officially by countries due to difference in methodologies and datasets used to assess protected area coverage, differences in the base maps used to measure terrestrial and marine area of a country or territory, or if global datasets differ from the criteria and indicators used at the national level. Where available, data from national statistics for the elements of Target 11 are included alongside records from these global databases. This dossier also provides a summary of commitments made under Aichi Biodiversity Target 11, and a summary of potential opportunities regarding elements of the target for future planning.

The dossier has been developed in consultation with the UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC), which manages the WDPA, WD-OECM and Global Database on Protected Area Management Effectiveness ([GD-PAME](#)). Parties to the CBD are requested to contact protectedareas@unep-wcmc.org with any updates to the information in these databases.

Aichi Biodiversity Target 11 Elements: Current status and opportunities for action

Coverage - Terrestrial & Marine

- **Status:** as of May 2021, terrestrial coverage in mainland France is 149,774.4 km² (27.3%) and marine coverage is 173,159.2 km² (50.4%); French overseas regions and territories have 55.6% terrestrial and 35.5% marine coverage.
- **Opportunities for action:** opportunities for the near-term include updating the WDPA with any unreported PAs, and the recognizing and reporting OECMs to the WD-OECM. In the future, focus on relatively intact areas, while addressing the elements in the following sections, could be considered if planning new PAs or OECMs.

Ecological Representativeness— Terrestrial & Marine

- **Status:** France (including overseas regions and territories) contains 31 terrestrial ecoregions, 24 marine ecoregions, and 3 pelagic provinces: the mean coverage by reported PAs and OECMs is 41.1% (terrestrial), 44.8% (marine), and 55.6% (pelagic); 5 terrestrial ecoregions and 5 marine ecoregions have no coverage by reported PAs and OECMs.
- **Opportunities for action:** there is opportunity for France to increase protection in terrestrial and marine ecoregions and pelagic provinces that have lower levels of



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coverage by PAs or OECMs. Ecoregions which currently have no coverage by PAs or OECMs are key areas for action.

Areas Important for Biodiversity

- **Status:** mainland France has 275 Key Biodiversity Areas (KBAs): the mean coverage of KBAs by reported PAs and OECMs is 81.0%, while 2 KBAs have no coverage by reported PAs and OECMs. French overseas regions and territories have another 271 KBAs, of which 121 have no coverage from PAs and OECMs.
- **Opportunities for action:** there is opportunity for France to increase protection of KBAs that have lower levels of coverage by PAs and OECMs; priority could be given to those with no current coverage.

Areas Important for Ecosystem Services

- **Status:** coverage of areas important for ecosystem services: In mainland France, 44.7% of aboveground biomass carbon, 42.5% of belowground biomass carbon, 36.7% of soil organic carbon, 33.8% of carbon stored in marine sediments is covered by PAs and OECMs.
- **Opportunities for action:** for carbon, there is opportunity for France to increase PA and OECM coverage in both marine and terrestrial areas with high carbon stocks. Protecting areas with high carbon stocks secures the benefits of carbon sequestration in the area.
- For water, there is opportunity to increase the area of the water catchment under protection by PAs and OECMs, or in cases where there is high levels of protection, focus on effective management for these areas. Protecting the current area of forested land and potentially reforesting would have benefits for improving water security.

Connectivity and Integration

- **Status:** coverage of protected-connected lands in mainland France is 19.6%.
- **Opportunities for action:** there is opportunity to focus on PA and OECM management for enhancing and maintaining connectivity. Improving connectivity increases the effectiveness of PAs and OECMs and reduces the impacts of fragmentation.
- As well, a range of suggested steps for enhancing and supporting integration are included in the voluntary guidance on the integration of PAs and OECMs into the wider land- and seascapes and mainstreaming across sectors to contribute, inter alia, to the SDGs (Annex I of COP Decision 14/8).

Governance Diversity

- **Status:** the most common governance type(s) for reported PAs in mainland France is: 98.4% under Government (Federal or national ministry or agency). Many PAs, although reported as being governed by governments, are in fact managed by local communities or associations.



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- **Opportunities for action:** explore opportunities for governance types that have lower representation, for France this could relate to shared governance, etc.
- There is also opportunity for France to complete governance and equity assessments, to establish baselines and identify relevant actions for improvement. As well, a range of suggested actions are included in the voluntary guidance on effective governance models for management of protected areas, including equity (Annex II of COP Decision 14/8).

Protected Area Management Effectiveness

- **Status:** 3.3% of terrestrial PAs and 0.1% of marine PAs in mainland France (32% of terrestrial PAs and 0.5% of marine PAs in French overseas regions and territories) have completed Protected Area Management Effectiveness (PAME) assessments reported. It is recognized that data captured in the GD-PAME is likely an underestimate of the reality of management and assessments in France.
- **Opportunities for action:** the 60% target for completed management effectiveness assessments (per COP Decision X/31) **has not** been met for terrestrial PAs and **has not** been met for marine PAs. Therefore, there is opportunity to increase protected area management effectiveness (PAME) evaluations for both terrestrial and marine PAs to achieve the target.
- There is also opportunity to implement the results of completed PAME evaluations, to improve the quality of management for existing PAs and OECMs (e.g. through adaptive management and information sharing, increasing the number of sites reporting 'sound management') and to increase reporting of biodiversity outcomes in PAs and OECMs.



INTRODUCTION

The Strategic Plan for Biodiversity 2011-2020 was adopted at the tenth meeting of the Conference of the Parties (COP) to the Convention on Biological Diversity (CBD) held in Nagoya, Aichi Prefecture, Japan from 18-29 October 2010. The vision of the Strategic Plan is one of “Living in harmony with nature” where *“By 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people”* (CBD, 2010). In addition to this vision, the Strategic Plan is composed of 20 targets, under five strategic goals. Aichi Biodiversity Target 11 states that *“By 2020, at least 17 per cent of terrestrial and inland water, and 10 per cent of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through effectively and equitably managed, ecologically representative and well-connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscapes and seascapes.”*

With the conclusion of the Aichi Biodiversity Targets in 2020, Target 11 on area-based conservation has seen success in the expansion of the global network of protected areas (PA) and other effective area-based conservation measures (OECMs). The negotiation of the post-2020 Global Biodiversity Framework (GBF) and its future targets provide an essential opportunity to further improve the coverage of PAs and OECMs, to improve other aspects of area-based conservation, to accelerate progress on biodiversity conservation more broadly, while also addressing climate change, and the Sustainable Development Goals. This next set of global biodiversity targets are to be adopted at the fifteenth meeting of the Conference of the Parties to the Convention on Biological Diversity. These new targets must aim to build upon lessons learned from the last decade of progress to deliver transformative change for the benefit of nature and people, to realize the 2050 Vision for biodiversity.

The United Nations Development Programme (UNDP) and the Secretariat of the Convention on Biological Diversity have developed the Aichi Biodiversity Target 11 Country Dossiers, which provide countries with an overview of the status of Target 11 elements, opportunities for action, and a summary of commitments made by Parties over the last decade. Each dossier can support countries in assessing their progress on key elements of Aichi Biodiversity Target 11 and identifying opportunities to prioritize new protected areas and OECMs.

This dossier provides an overview of area-based conservation in France. Section I of the dossier presents data on the current status of France’s PAs and OECMs. The data presented in Section I relates to each element of Target 11. Section I also presents the PA and OECM coverage for two critical ecosystem services: water security and carbon stocks. In addition, the dossier presents potential opportunities for action for France, in relation to each Target 11 element. The analyses present options for improving France’s area-based conservation network to achieve enhanced protection and benefits for livelihoods and climate change. Section II presents details on France’s existing PA and OECM commitments as a summary of existing efforts towards achieving Target 11. This gives focus not only to national policy and actions but also voluntary commitments to the UN. Furthermore, where data is

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available, this dossier provides information on potential OECMs, Indigenous and Community Conserved Areas (ICCAs; also, often referred to as territories and areas conserved by Indigenous peoples and local communities or “territories of life”) and Privately Protected Areas (PPAs) and the potential contribution they will have in achieving the post-2020 targets.

The information on PAs and OECMs presented here is derived from the World Database on Protected Areas (WDPA) and World Database on Other Effective Area-Based Conservation Measures (WD-OECM). These databases are joint products of UNEP and IUCN, managed by UNEP-WCMC, and can be viewed and downloaded at www.protectedplanet.net. Parties are encouraged to provide data on their PAs and OECMs to UNEP-WCMC for incorporation into the databases (see e.g., Decisions 10/31 and 14/8). The significant efforts of Parties in updating their data in the build up to the publication of the Protected Planet Report 2020 (UNEP-WCMC and IUCN, 2021) were greatly appreciated. UNEP-WCMC welcomes further updates, following the data standards described here (www.wcmc.io/WDPA_Manual), and these should be directed to protectedareas@unep-wcmc.org. The statistics presented in this dossier are derived from the May 2021 WDPA and WD-OECM releases, unless explicitly stated otherwise. Readers should consult www.protectedplanet.net for the latest coverage statistics (updated monthly).

Some data from the WDPA and WD-OECM are not made publicly available at the request of the data-provider. This affects some statistics, maps, and figures presented in this dossier. Statistics provided by UNEP-WCMC (terrestrial and marine coverage) are based upon the full dataset, including restricted data. All other statistics, maps, and figures are based upon the subset of the data that is publicly available.

Where data is less readily available, such as for potential OECMs, ICCAs and PPAs, data has also been compiled from published reports and scientific literature to provide greater awareness of these less commonly recorded aspects. These data are provided to highlight the need for comprehensive reporting on these areas to the WDPA and/or WD-OECM. Parties are invited to work with indigenous peoples, local communities and private actors to submit data under the governance of these actors, with their consent, to the WDPA and/or WD-OECM.

Overall, PAs and OECMs are essential instruments for biodiversity conservation and to sustain essential ecosystem services that support human well-being and sustainable development, including food, medicine, and water security, as well as climate change mitigation and adaptation and disaster risk reduction. The data in this dossier, therefore, aims to celebrate the current contributions of PAs and OECMs, whilst the gaps presented hope to encourage greater progress, not just for the benefit of biodiversity and the post-2020 GBF, but also to recognize the essential role of PAs and OECMs to the Sustainable Development Goals and for addressing the climate crisis.



SECTION I: CURRENT STATUS

Aichi Biodiversity Target 11 refers to both protected areas (PAs) and other effective area-based conservation measures (OECMs). This section provides the current status for all elements of Aichi Biodiversity Target 11 where indicators with global data are available. Statistics for all elements are presented using data on both PAs and OECMs (where this data is available and reported in global databases like the WDPA and WD-OECM). It is recognized that statistics reported in the WPDA and WD-OECM might differ from those reported officially by countries due to differences in methodologies and datasets used to assess protected area coverage and differences in the base maps used to measure terrestrial and marine area of a country or territory. Details on UNEP-WCMC's methods for calculating PA and OECM coverage area available [here](#). The global indicators adopted here for presenting the status of other elements of Target 11 may also differ from those in use nationally. Where available, results from national reporting are also included.



COVERAGE - TERRESTRIAL & MARINE

As of May 2021, France has **5,923** protected areas¹ reported in the World Database on Protected Areas (WDPA). Proposed PAs, PAs with a status of 'not reported' and UNESCO-MAB Biosphere Reserves are not included in the following statistics (see details on UNWP-WCMC's methods for calculating PA and OECM coverage [here](#)).

As of May 2021, France has **0** OECMs reported in the world database on OECMs (WD-OECM).

Current coverage for mainland France (per the WDPA):

- 27.3% terrestrial (5,315 protected areas, 149,774.4 km²)
- 50.4% marine (471 protected areas, 173,159.2 km²)

Current coverage for all overseas territories and regions France (per the WDPA):

- 55.6% terrestrial (305 protected areas, 66,703 km²)
- 35.5% marine (236 protected areas, 3,327,420 km²)

In its 6th national report, France indicated the following figures for terrestrial PAs (as of March 31, 2018):

- in mainland France, PAs cover 140,995 km² (25.7%)
- in "overseas"², PAs cover 47,364 km² (52.9%)

As a reminder, during the reporting process, France retained the following tools to carry out its reporting on the achievement of Target 11:

- regulatory protection tools: the core of national parks, national nature reserves (RNN), Corsican nature reserves (RNC), regional nature reserves (RNR), prefectural biotope protection decrees (APPB), managed and integral biological reserves (RB), national hunting and wildlife reserves (RNCFS), classified sites.
- contractual protection tools: marine natural parks (PNM), regional natural parks (PNR) and the optimal membership areas of national parks.
- land management tools: the areas of intervention of the Coastal Conservatory, the sites of the Conservatories of natural spaces (CEN), sensitive natural spaces (ENS),
- the Natura 2000 network.

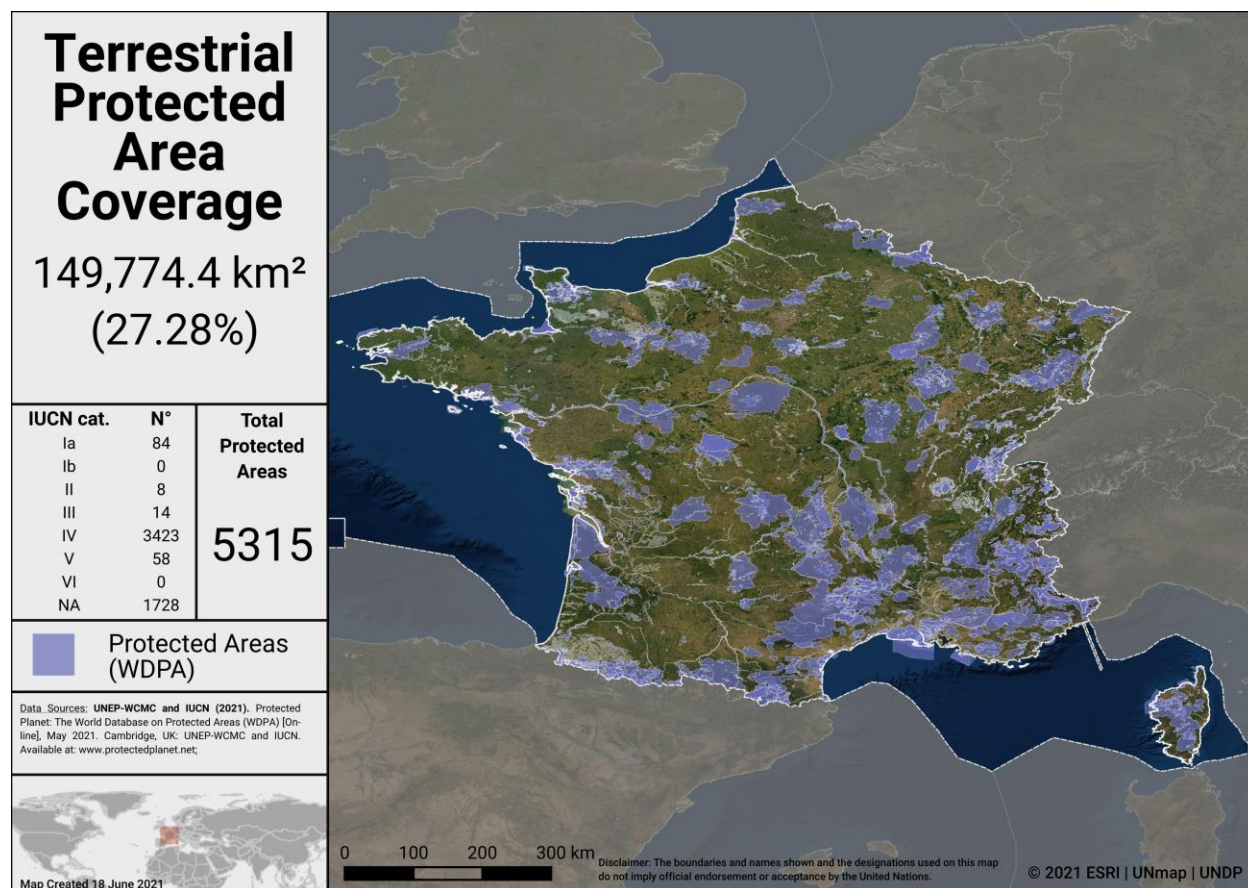
¹ 5,500 PA in mainland France and 421 in French overseas regions and territories

² the 5 overseas departments and regions Martinique, Guadeloupe, Guyana, Réunion, Mayotte (current WDPA figures for these 5 departments and regions: 197 terrestrial PAs, 47,342 km²; 159 marine PAs, 252,783 km²)

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France adopted (in January 2021) its national strategy for protected areas. This strategy covers the land, the sea, and the entire national territory and maritime waters under jurisdiction or sovereignty.

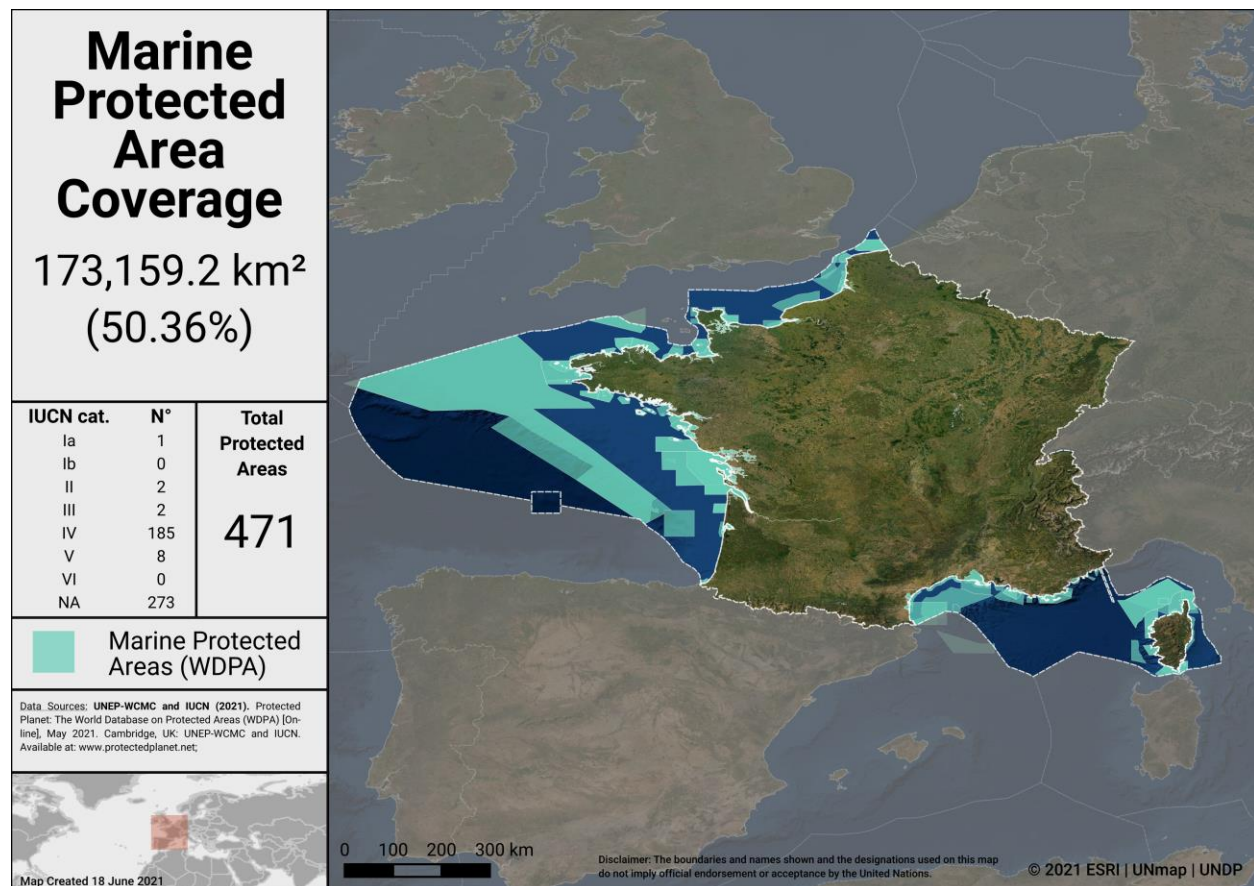
In this context, on the basis of the IUCN definition,³ France has listed the tools constituting protected areas within the meaning of the strategy.⁴ For France, this perimeter will now constitute the reference for evaluating and reporting on its coverage in protected areas.



Terrestrial Protected Areas in mainland France

³ “a clearly defined, recognized, consecrated and managed geographical space, by any effective means, legal or otherwise, in order to ensure the long-term conservation of nature as well as ecosystem services and the cultural values associated with it.”

⁴ see appendix I p.60 of the strategy, available at https://www.ecologie.gouv.fr/sites/default/files/DP_Biotope_Ministere_strat-aires-protegees_210111_5_GSA.pdf



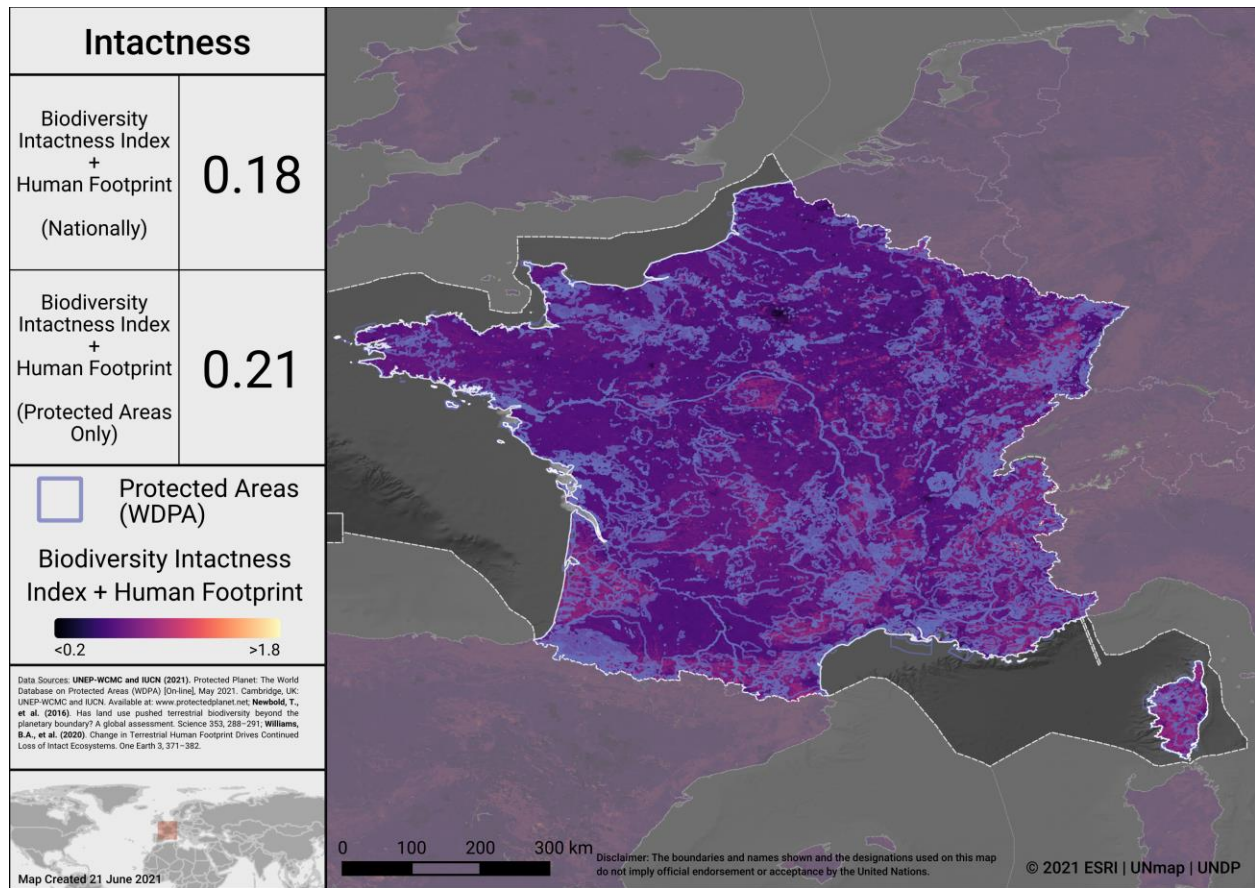
Marine Protected Areas in mainland France

Potential OECMs

As part of France’s national strategy for protected areas and its first three-year action plan, it is planned to initiate an analysis of the whole of French land, regulatory and contractual tools with regard to the definitions of protected areas and other effective conservation measures by area.

Opportunities for action

Opportunities for the near-term include updating the WDPA with any unreported PAs, and the recognizing and reporting OECMs to the WD-OECM. In the future, as France considers where to add new PAs and OECMs, the map below identifies areas in mainland France where intact terrestrial areas are not currently protected. Focus on relatively intact areas, while addressing the elements in the following sections, could be considered if planning new PAs or OECMs.



Intactness in France

To explore more on intactness visit the UN Biodiversity Lab: map.unbiodiversitylab.org.

ECOLOGICAL REPRESENTATIVENESS – TERRESTRIAL & MARINE

Ecological representativeness is assessed based on the PAs and OECMs coverage of broad-scale biogeographic units. Globally, ecoregions have been described for terrestrial areas (Dinerstein et al, 2017), marine coastal and shelf ecosystems (to a depth of 200m; Spalding et al 2007) and surface pelagic waters (Spalding et al 2012).

France has 31 **terrestrial** ecoregions.⁵ Out of these:

- 26 ecoregions have at least some coverage from PAs and OECMs.
- 22 ecoregions have 17% protected within the country.
- The average coverage of terrestrial ecoregions is 41.1%.

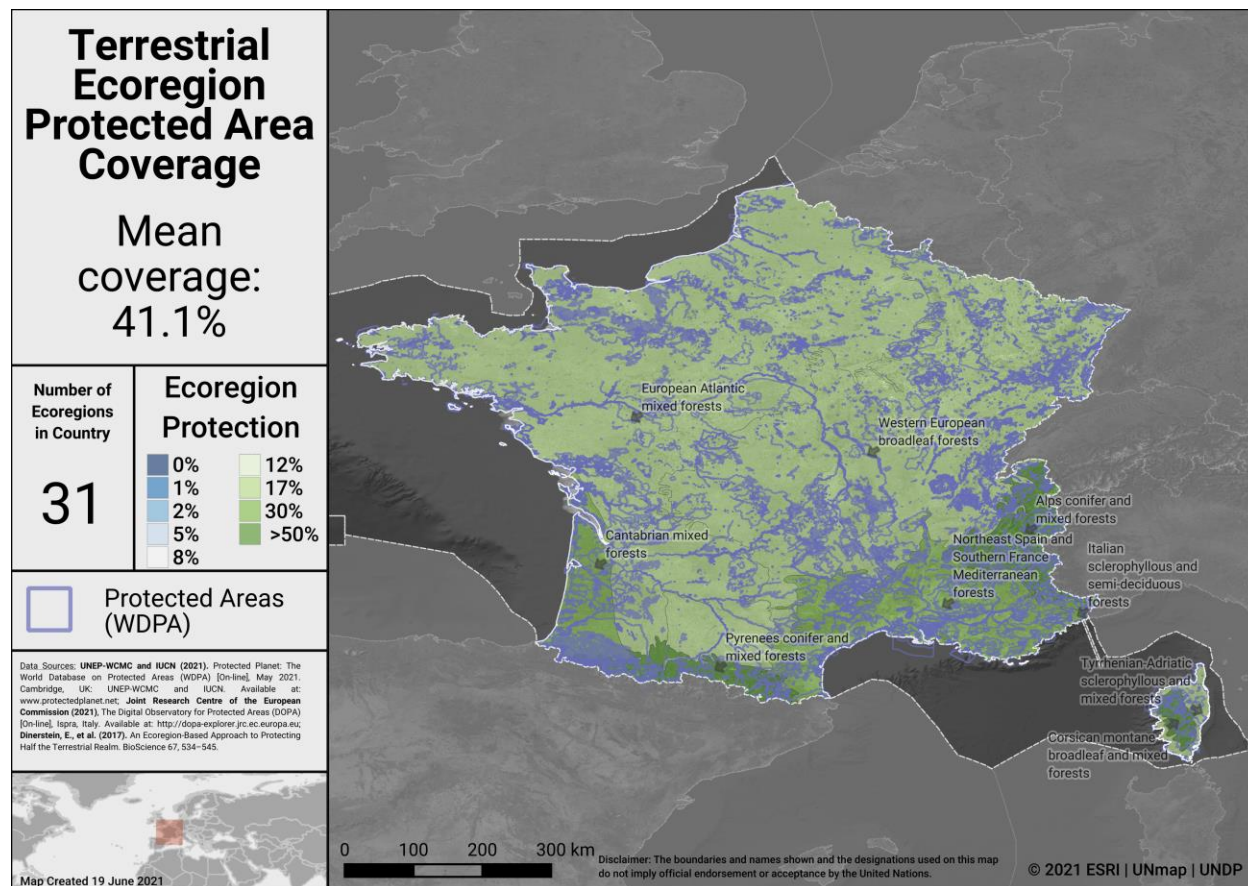
France has 24 **marine** ecoregions and 3 **pelagic provinces**.⁶ Out of these:

- 19 marine ecoregions and 3 pelagic provinces have at least some coverage from reported PAs and OECMs.
- 13 marine ecoregions and 3 pelagic provinces have at least 10% protected within France's exclusive economic zone (EEZ).
- The average protected area coverage of marine ecoregions is 44.8% and the average protected area coverage of Pelagic Provinces is 55.6%.

A full list of terrestrial ecoregions in France is available in Annex I.

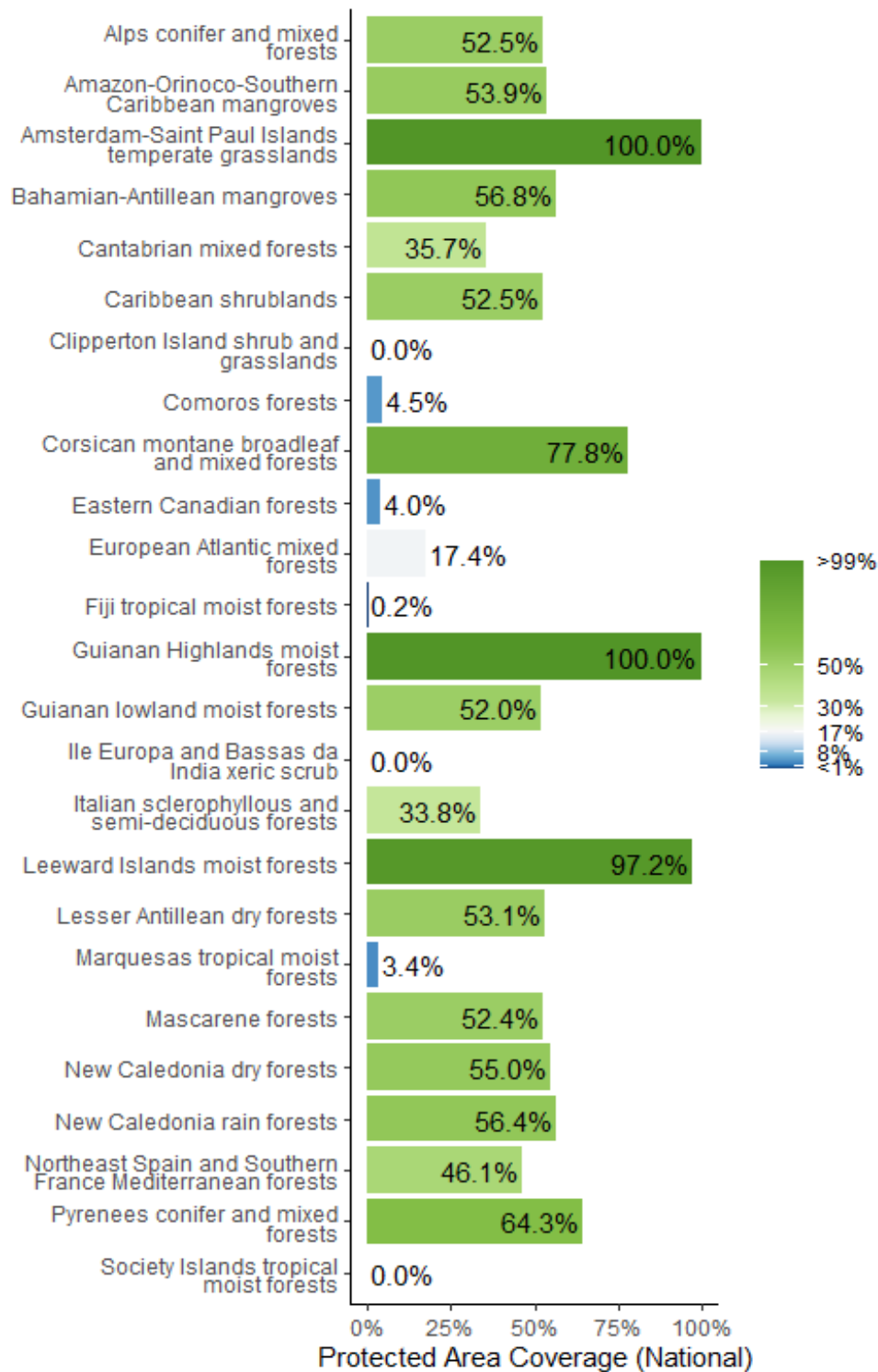
⁵ 9 terrestrial ecoregions in mainland France (all with >17% PA and OECM coverage), the remaining 22 terrestrial ecoregions in French overseas regions and territories.

⁶ 4 marine ecoregions and 1 pelagic province in the waters of mainland France (all with >10% PA and OECM coverage), the remaining ecoregions and pelagic province in the waters of French overseas regions and territories



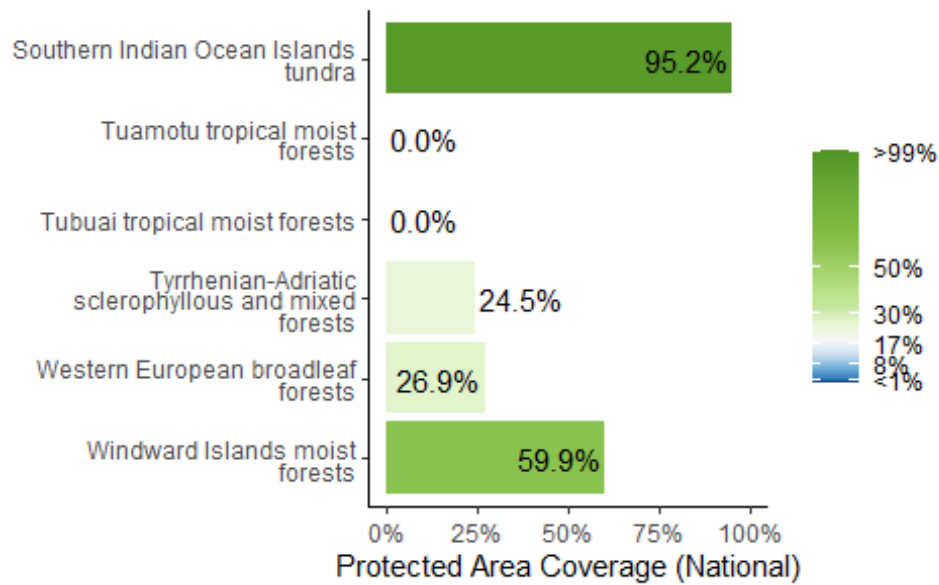
Terrestrial ecoregions in France (map only showing mainland France, which has 9 terrestrial ecoregions, mean coverage of 41.1% [total # and mean % coverage in image for all of French Republic, including overseas regions and territories])

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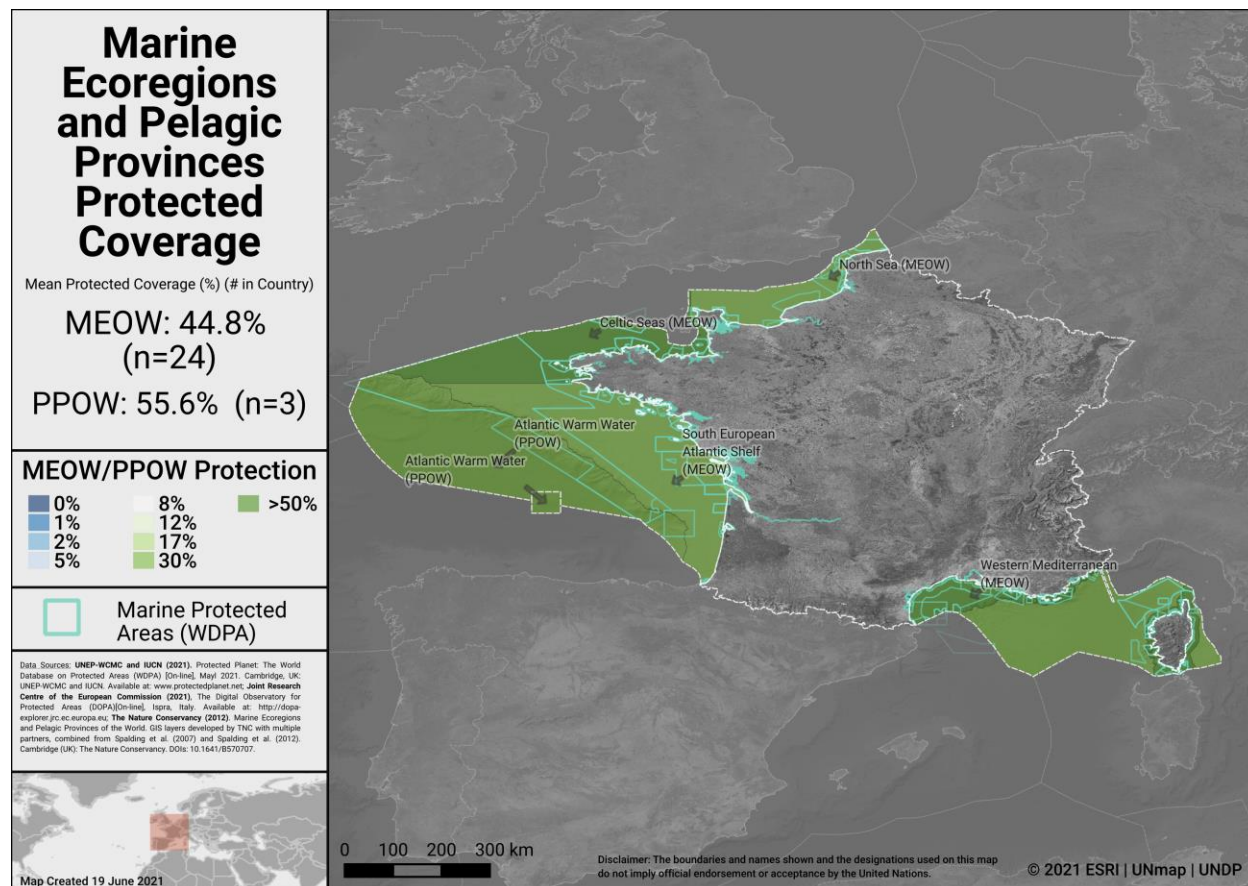


Terrestrial ecoregions of the World in France (mainland France and overseas regions and territories)

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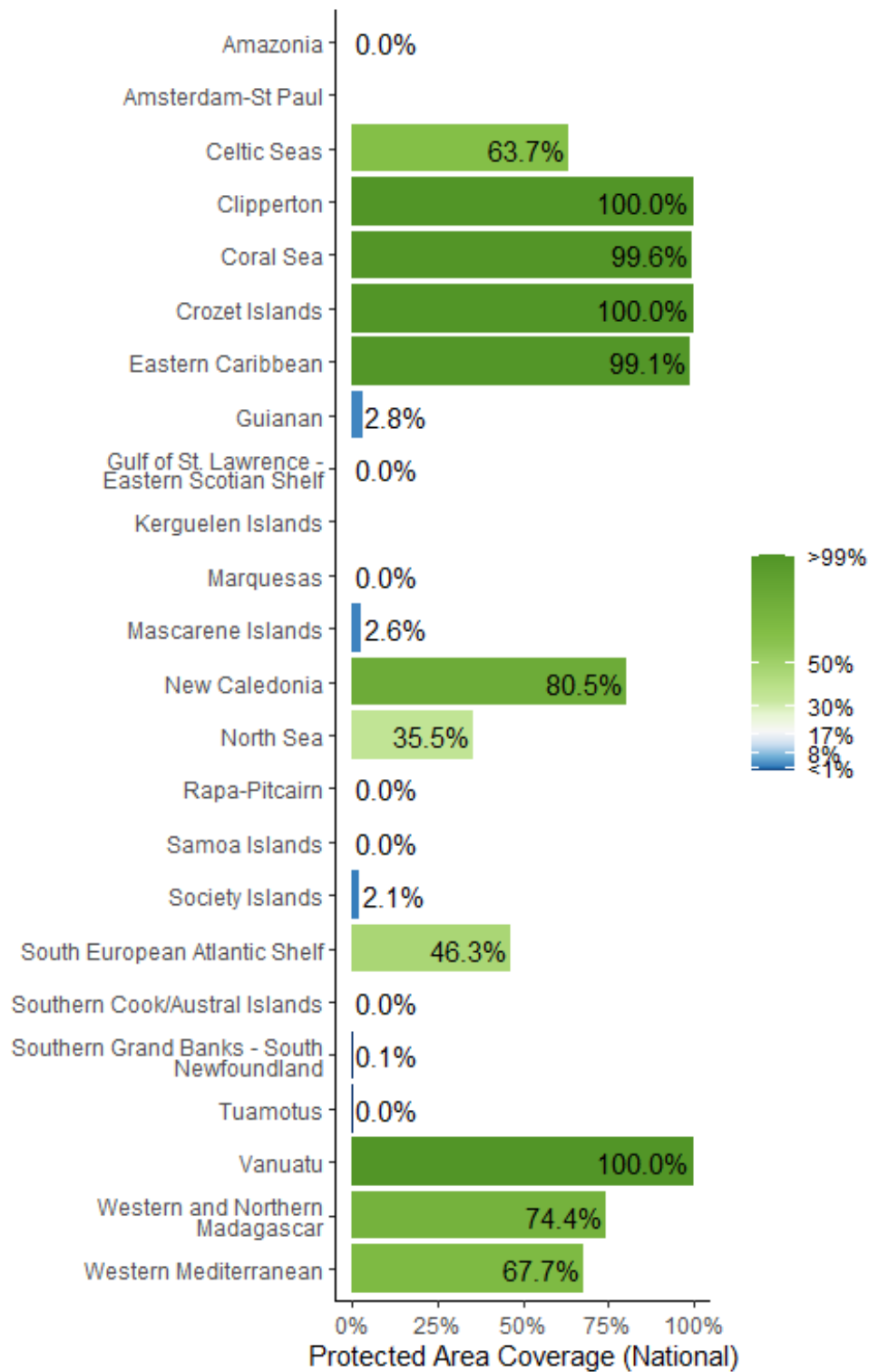


Terrestrial ecoregions of the World (TEOW) in France (mainland France and overseas regions and territories)



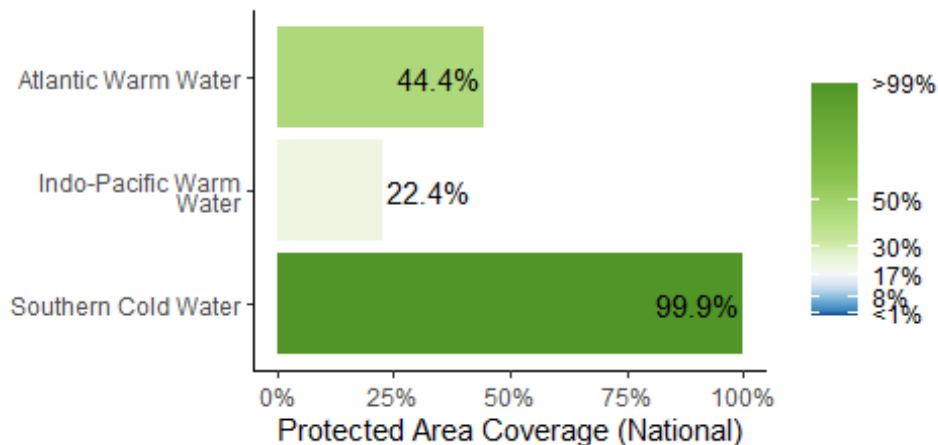
Marine ecoregions and pelagic provinces (map only showing mainland France, which has 4 marine ecoregions, mean coverage of 57%, and 1 pelagic province, coverage of 47% [total # and mean % coverage in image for all of French Republic, including overseas regions and territories])

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Marine Ecoregions of the World in France (mainland France and overseas regions and territories)





Pelagic Provinces of the World in France (mainland France and overseas regions and territories)

Opportunities for action

There is opportunity for France to increase protection in terrestrial and marine ecoregions and pelagic provinces that have lower levels of coverage by PAs or OECMs. Ecoregions which currently have no coverage by PAs or OECMs are key areas for action.



AREAS IMPORTANT FOR BIODIVERSITY

Key Biodiversity Areas (KBAs)

Protected area and OECM coverage of Key Biodiversity Areas (KBAs) provide one proxy for assessing the conservation of areas important for biodiversity at national, regional and global scales. KBAs are sites that make significant contributions to the global persistence of biodiversity (IUCN, 2016). The KBA concept builds on four decades of efforts to identify important sites for biodiversity, including Important Bird and Biodiversity Areas, Alliance for Zero Extinction sites, and KBAs identified through Hotspot ecosystem profiles supported by the Critical Ecosystem Partnership Fund. Incorporating these sites, the dataset of internationally significant KBAs includes Global KBAs (sites shown to meet one or more of 11 criteria in the Global Standard for the Identification of KBAs, clustered into five categories: threatened biodiversity; geographically restricted biodiversity; ecological integrity; biological processes; and irreplaceability), Regional KBAs (sites identified using pre-existing criteria and thresholds, that do not meet the Global KBA criteria based on existing information), and KBAs whose Global/Regional status is Not yet determined, but which will be assessed against the global KBA criteria within 8-12 years. Regional KBAs are often of critical international policy relevance (e.g., in EU legislation and under the Ramsar Convention on Wetlands), and many are likely to qualify as Global KBAs in future once assessed for their biodiversity importance for other taxonomic groups and ecosystems. To date, nearly 16,000 KBAs have identified globally, and information on each of these is presented in the World Database of Key Biodiversity Areas: www.keybiodiversityareas.org.

Mainland France has 277 Key Biodiversity Areas (KBAs)⁷ [**275 KBAs** included in analysis]

- Mean percent coverage of all KBAs by PAs and OECMs in mainland France is **81.0%**.
- **85** KBAs have full (>98%) coverage by PAs and OECMs.
- **188** KBAs have partial coverage by PAs and OECMs.
- **2** KBAs have no (<2%) coverage by PAs and OECMs.

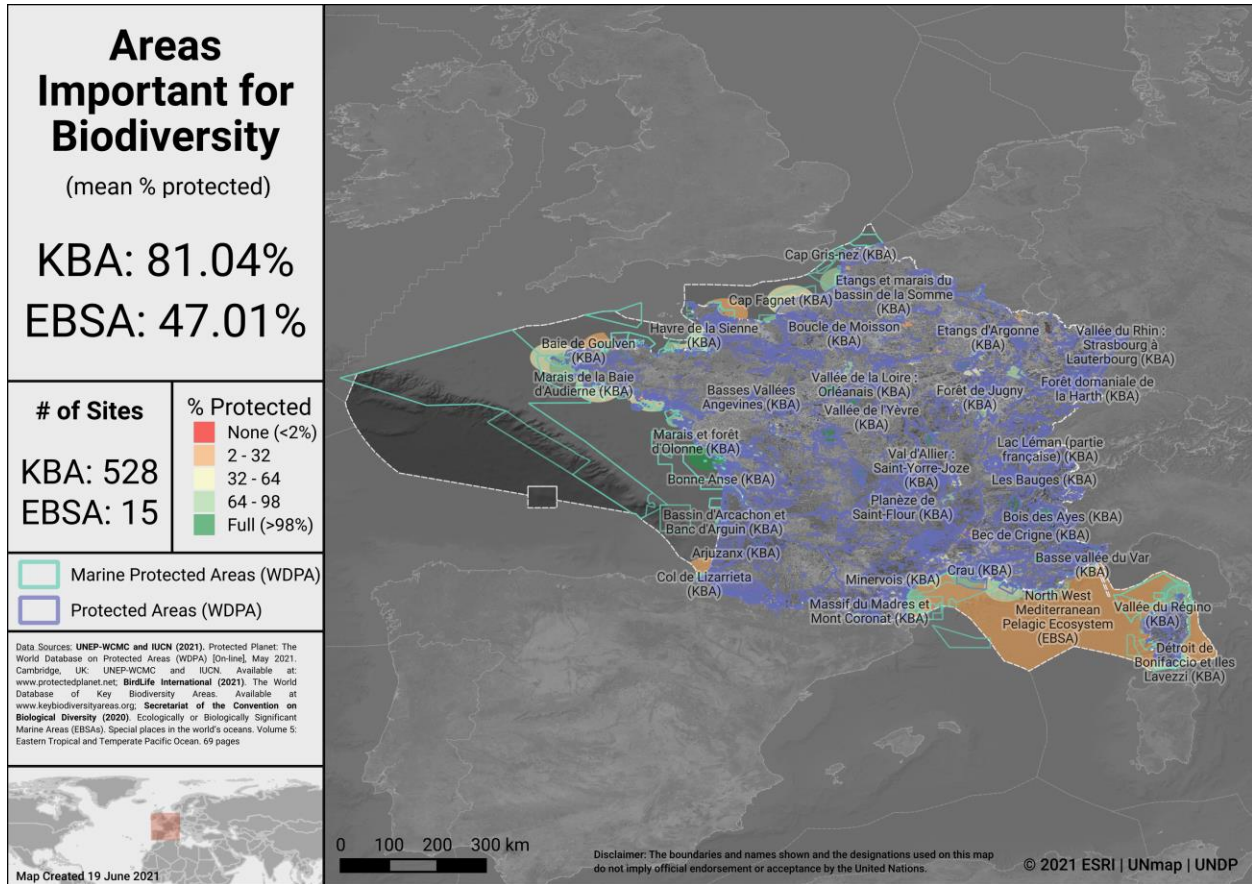
Ecologically or Biologically Significant Marine Areas (EBSAs)

Other important areas for biodiversity also include Ecologically or Biologically Significant Marine Areas (EBSAs), which were identified following the scientific criteria adopted at COP-9 (Decision IX/20; see more at: <https://www.cbd.int/ebsa/>). Sites that meet the EBSA criteria may require enhanced conservation and management measures; this could be achieved through means including MPAs, OECMs, marine spatial planning, and impact assessment.

⁷ French overseas territories have an additional 214 KBAs, of which 85 have full coverage (>98%), 56 have partial coverage, and 121 have no coverage (<2%) from PAs and OECMs.

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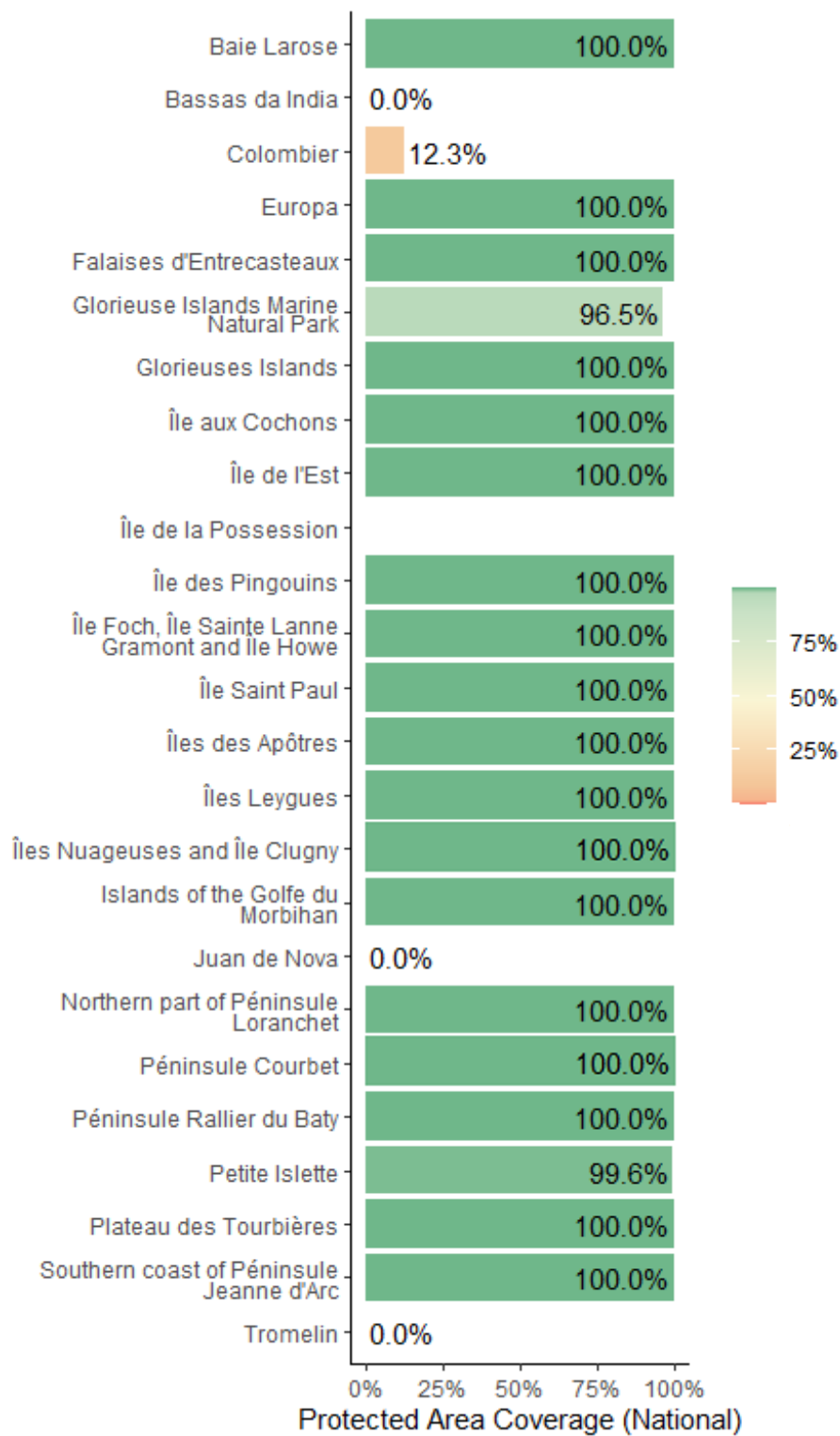
France has 15 EBSAs with some portion of their extent within the EEZs of French overseas regions and territories,⁸ of which 1 EBSA has no coverage from PAs or OECMs.



Areas Important for Biodiversity in France (only mainland France shown); total # of sites includes all of the French Republic (including overseas regions and territories), % coverage of KBAs for mainland France only

⁸ To date, there are no EBSAs listed in the waters of mainland France.

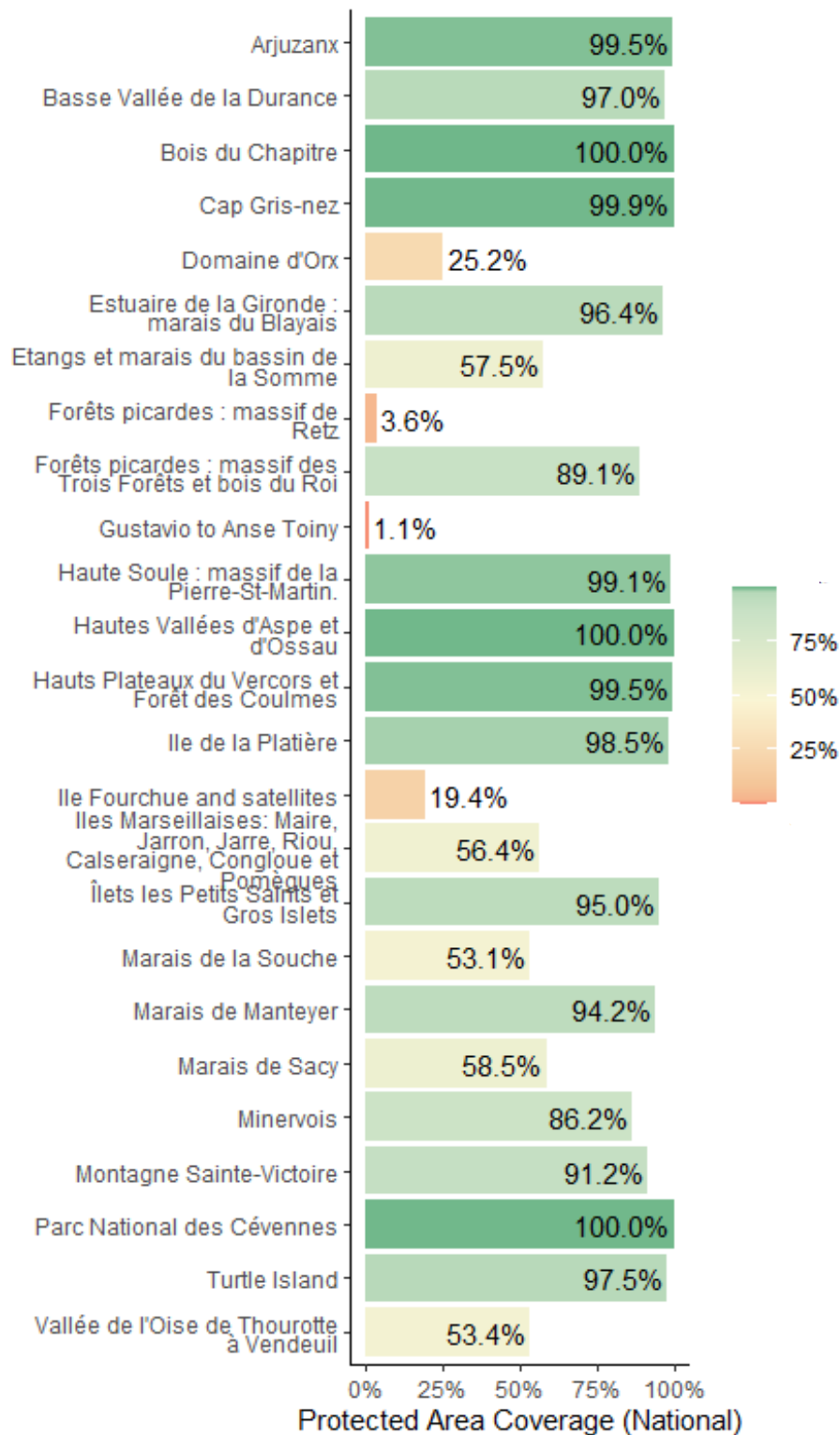
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Key Biodiversity Area Coverage (KBA) in France (mainland France and overseas regions and territories)

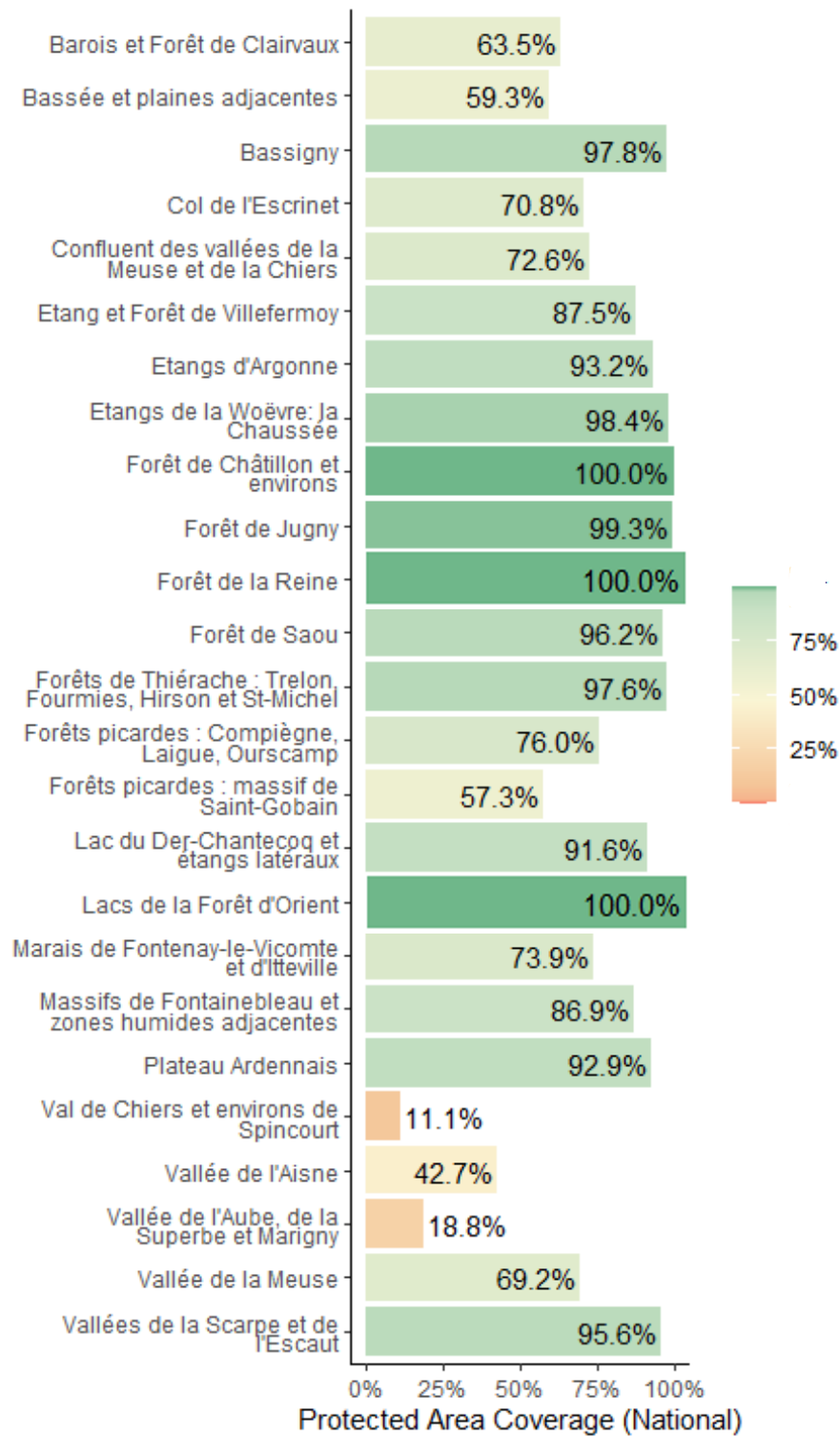


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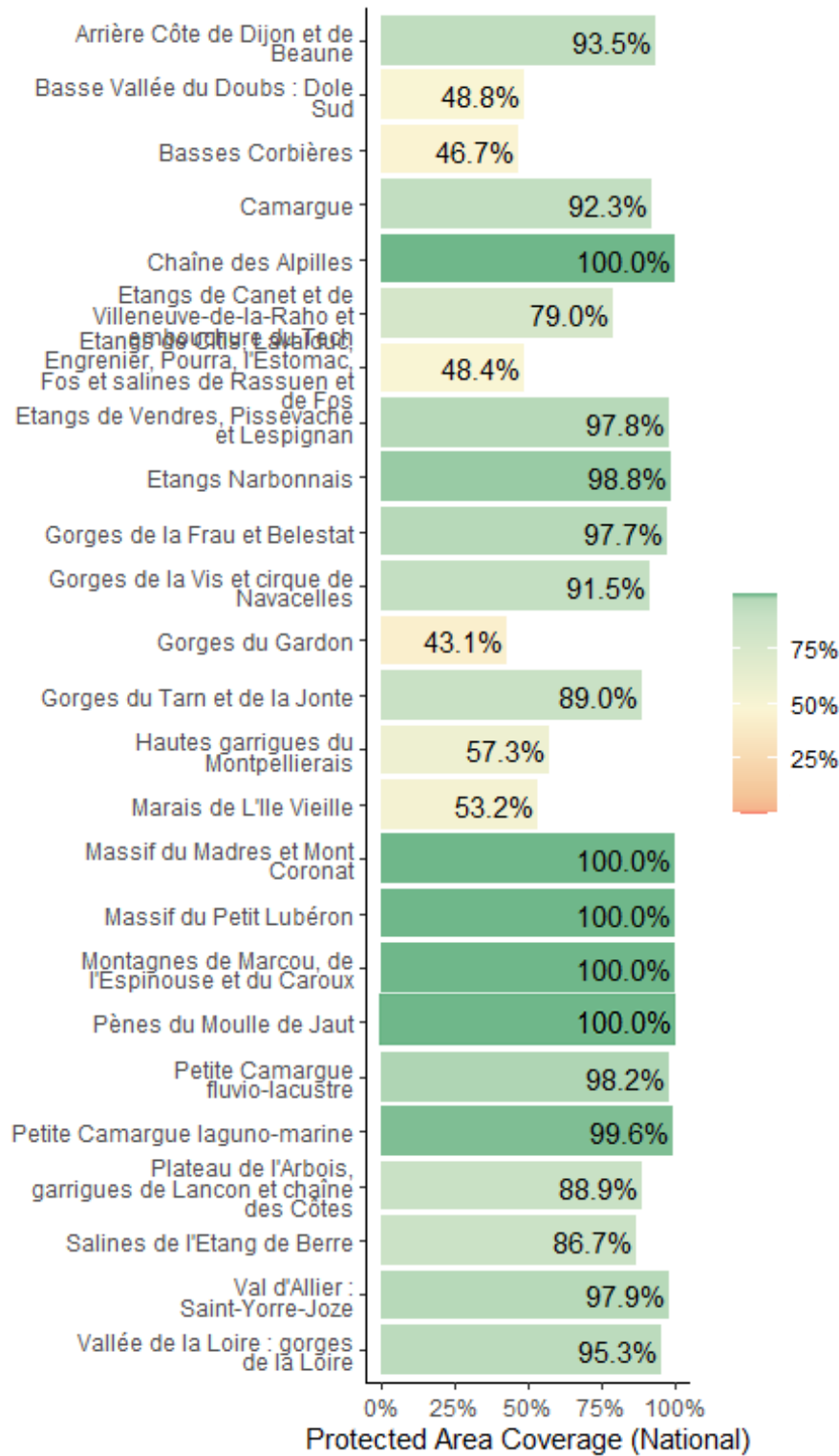
Key Biodiversity Area Coverage (KBA) in France (mainland France and overseas regions and territories)

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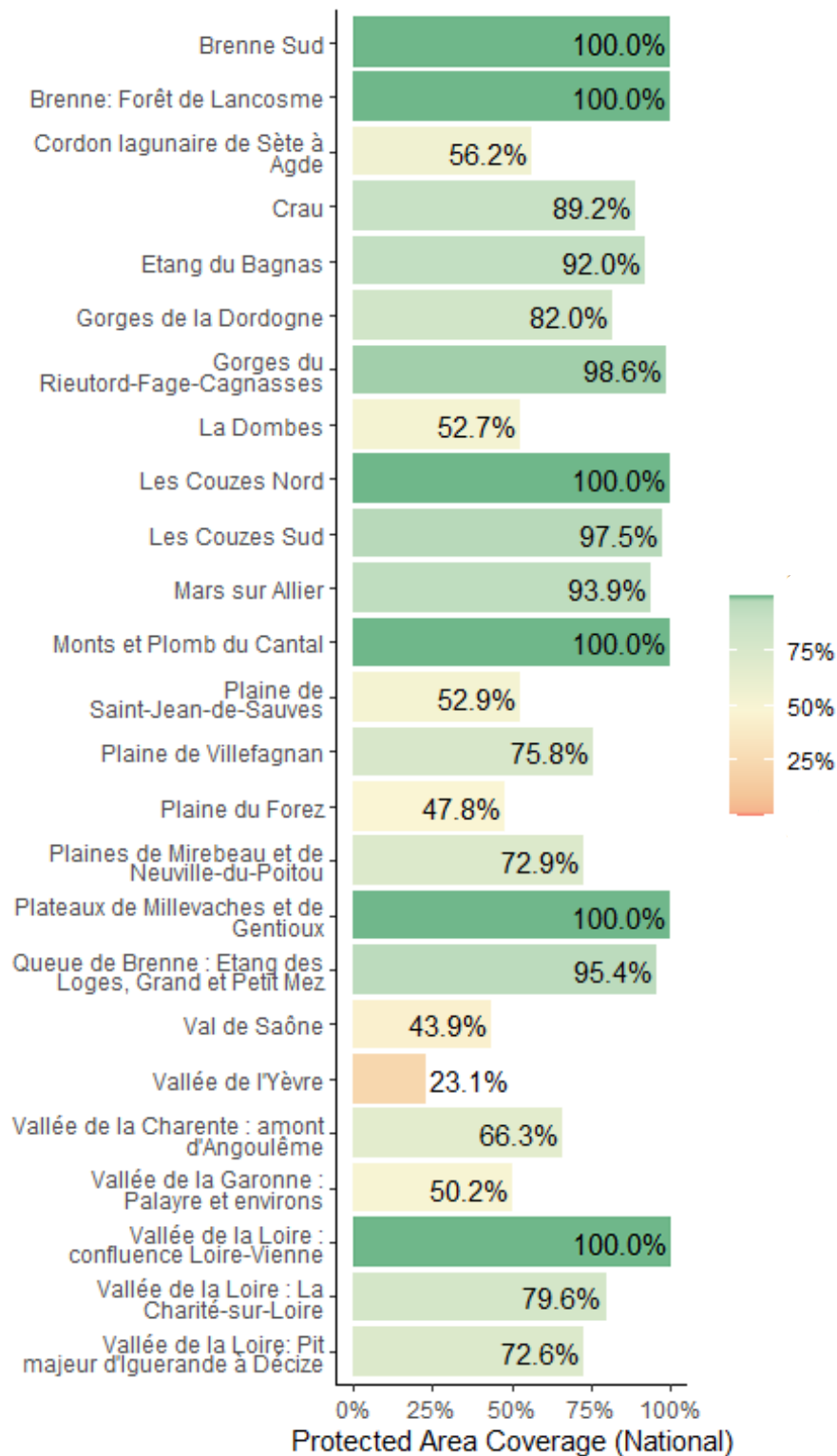


Key Biodiversity Area Coverage (KBA) in France (mainland France and overseas regions and territories)

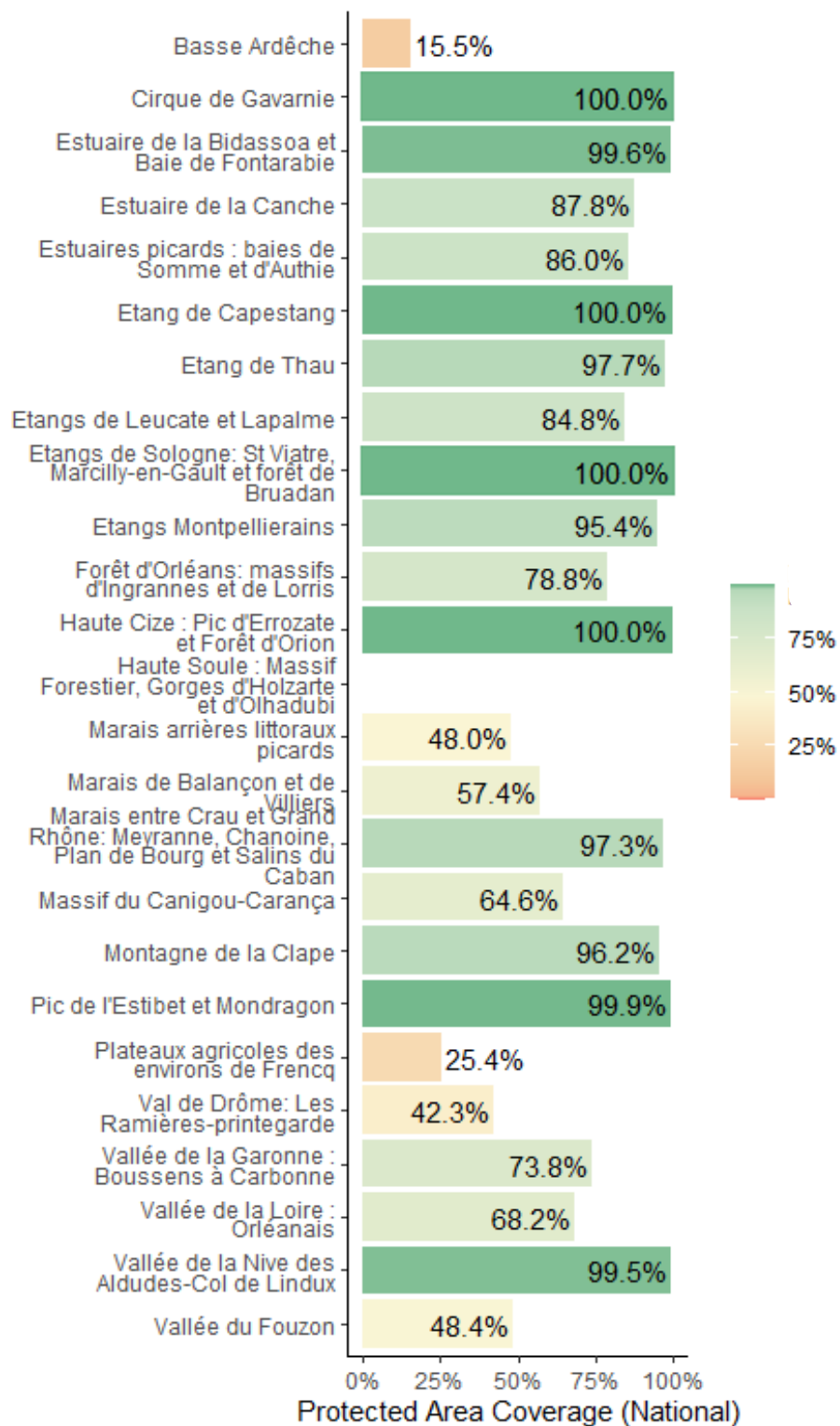
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Key Biodiversity Area Coverage (KBA) in France (mainland France and overseas regions and territories)

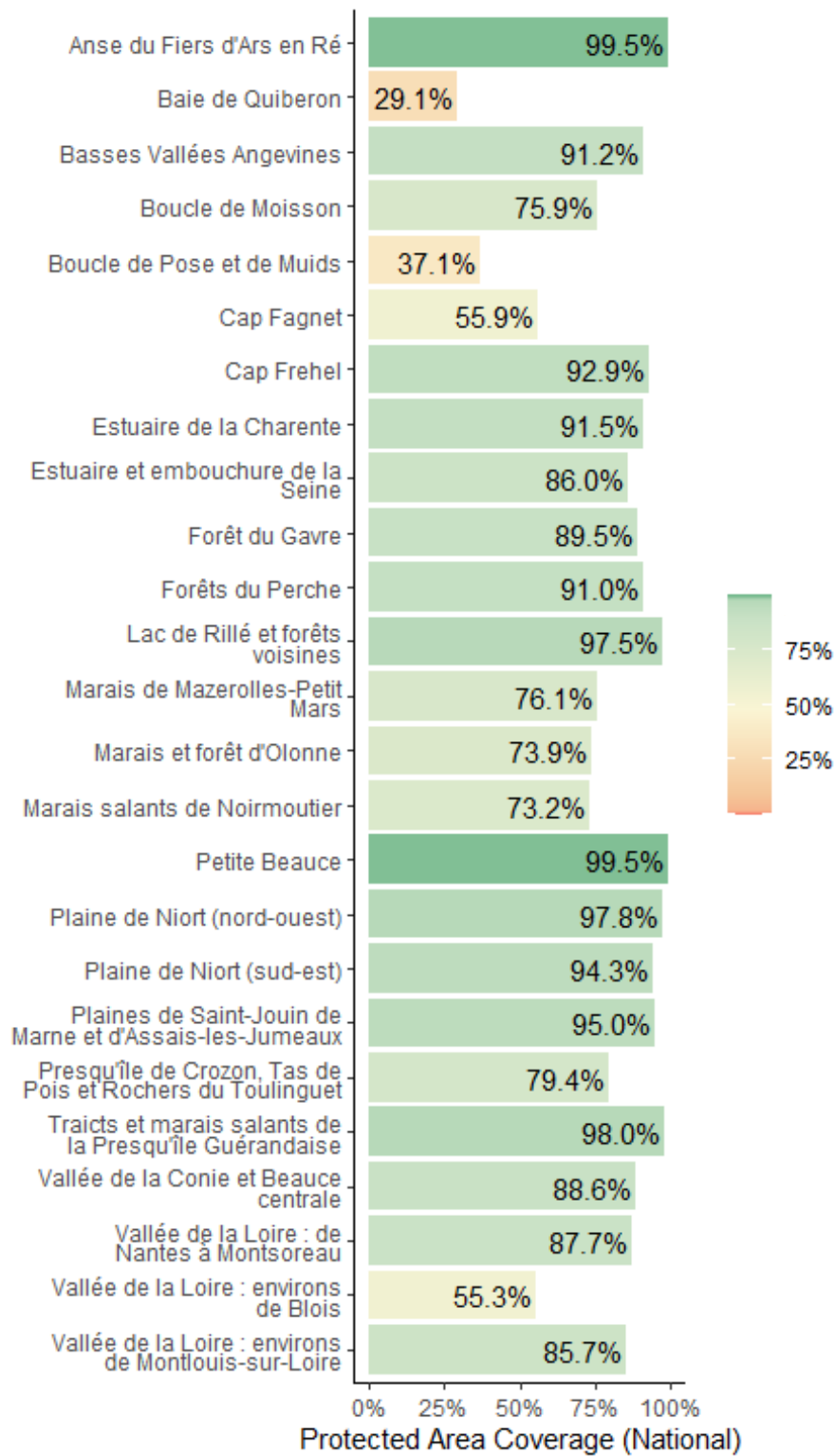


Key Biodiversity Area Coverage (KBA) in France (mainland France and overseas regions and territories)



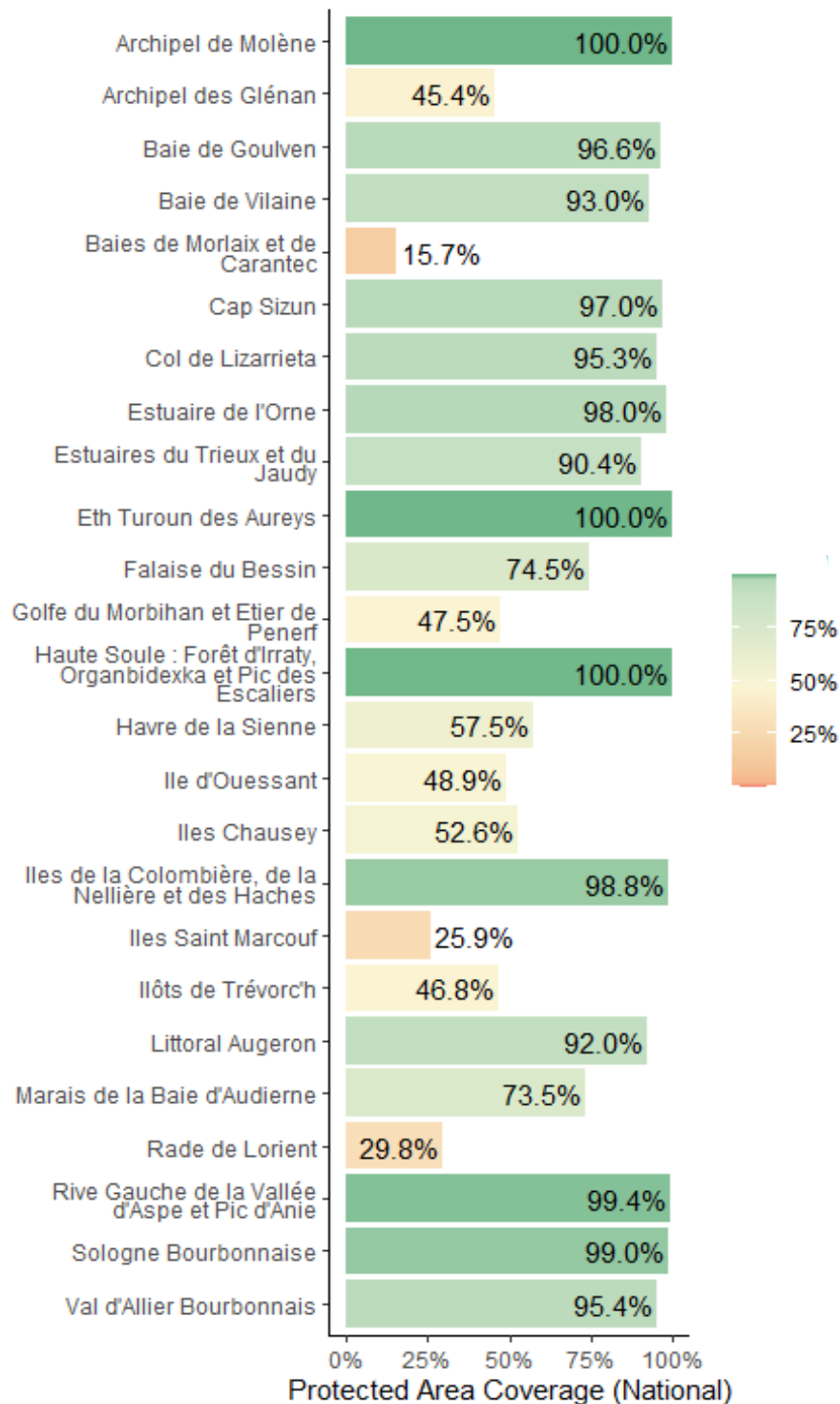
Key Biodiversity Area Coverage (KBA) in France (mainland France and overseas regions and territories)

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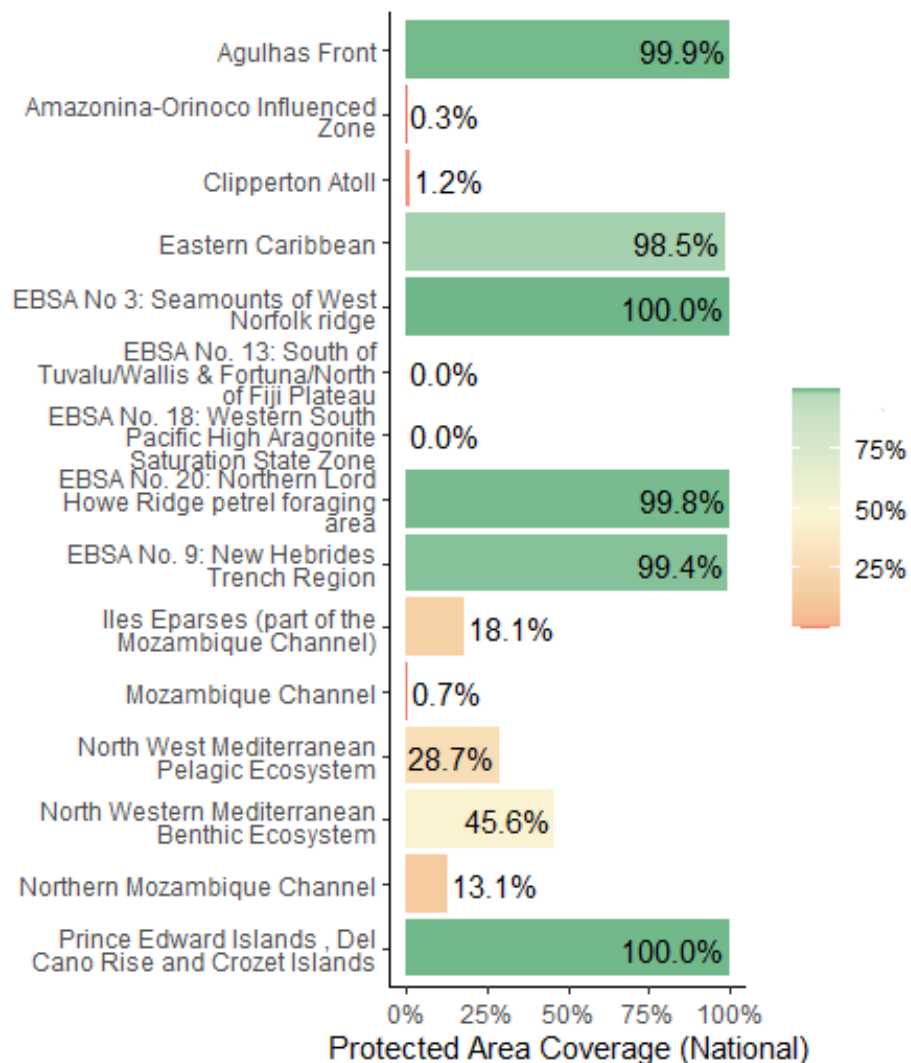
Key Biodiversity Area Coverage (KBA) in France (mainland France and overseas regions and territories)

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Key Biodiversity Area Coverage (KBA) in France (mainland France and overseas regions and territories)

Coverage statistics for all remaining KBAs in France is available in Annex II.



Ecologically or Biologically Significant Marine Areas (EBSAs) in France (all occur in French overseas regions and territories)

Opportunities for action

There is opportunity for France to increase protection of KBAs that have lower levels of coverage by PAs and OECMs; priority could be given to those with no current coverage



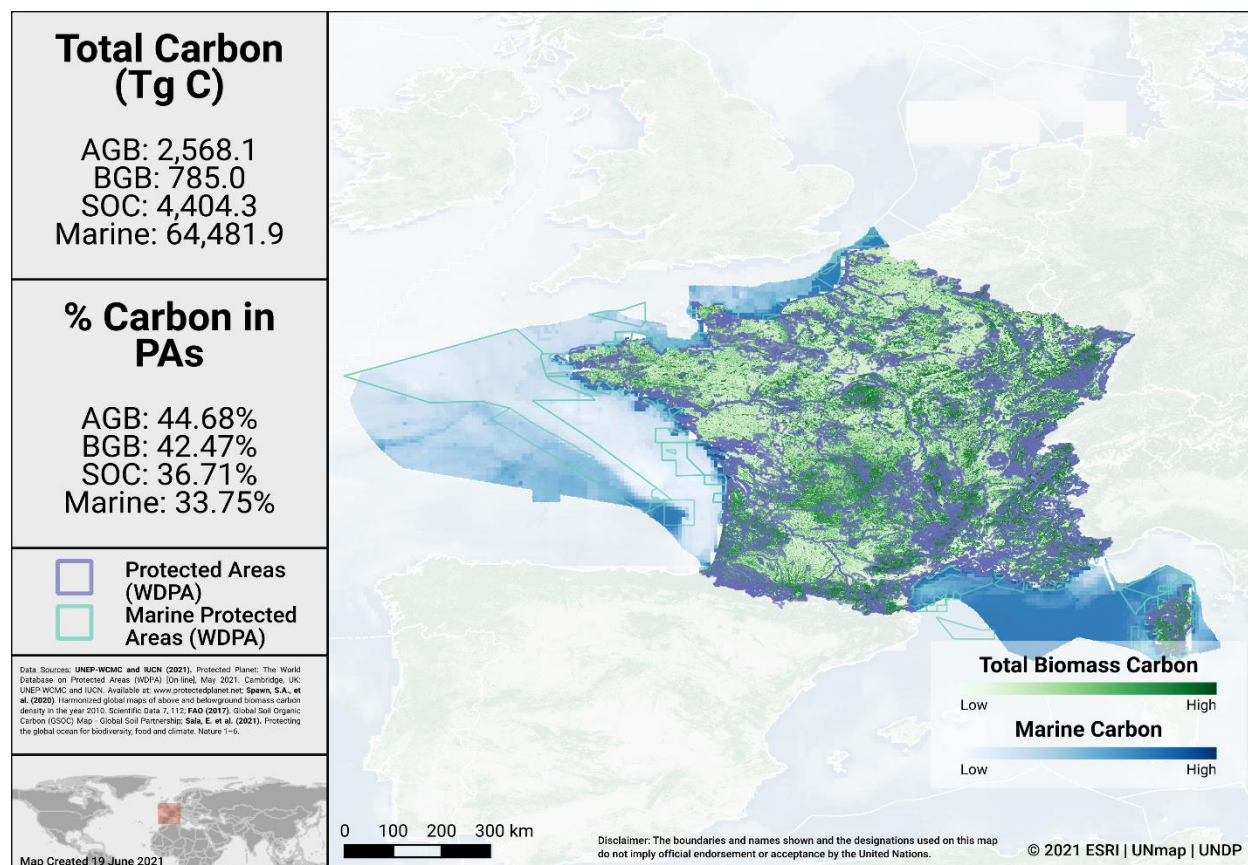
AREAS IMPORTANT FOR ECOSYSTEM SERVICES

There is no single indicator identified for assessing the conservation of areas important for ecosystem services. For simplicity, two services with available global datasets are assessed here (carbon and water). In future, other critical ecosystem services could be explored.

Carbon

Data for biomass carbon comes from temporally consistent and harmonized global maps of aboveground biomass and belowground biomass carbon density (at a 300-m spatial resolution); the maps integrate land-cover specific, remotely sensed data, and land-cover specific empirical models (see Spawn et al., 2020 for details on methodology). The Global Soil Organic Carbon Map present an estimation of SOC stock from 0 to 30 cm (see FAO, 2017). Data is also presented from global maps of marine sedimentary carbon stocks, standardized to a 1-meter depth (see Sala et al., 2021, and Atwood et al., 2020).

The map below presents the total carbon stocks in mainland France and the percent of carbon in protected areas. The total carbon stocks is 2,568.1 Tg C from aboveground biomass (AGB), with 44.7% in protected areas; 785.0 Tg C from below ground biomass (BGB), with 42.5% in protected areas; 4,404.3 Tg C from soil organic carbon (SOC), with 36.7% in protected areas; and 64,481.9 Tg C from marine sediment carbon, with 33.8% in protected areas.

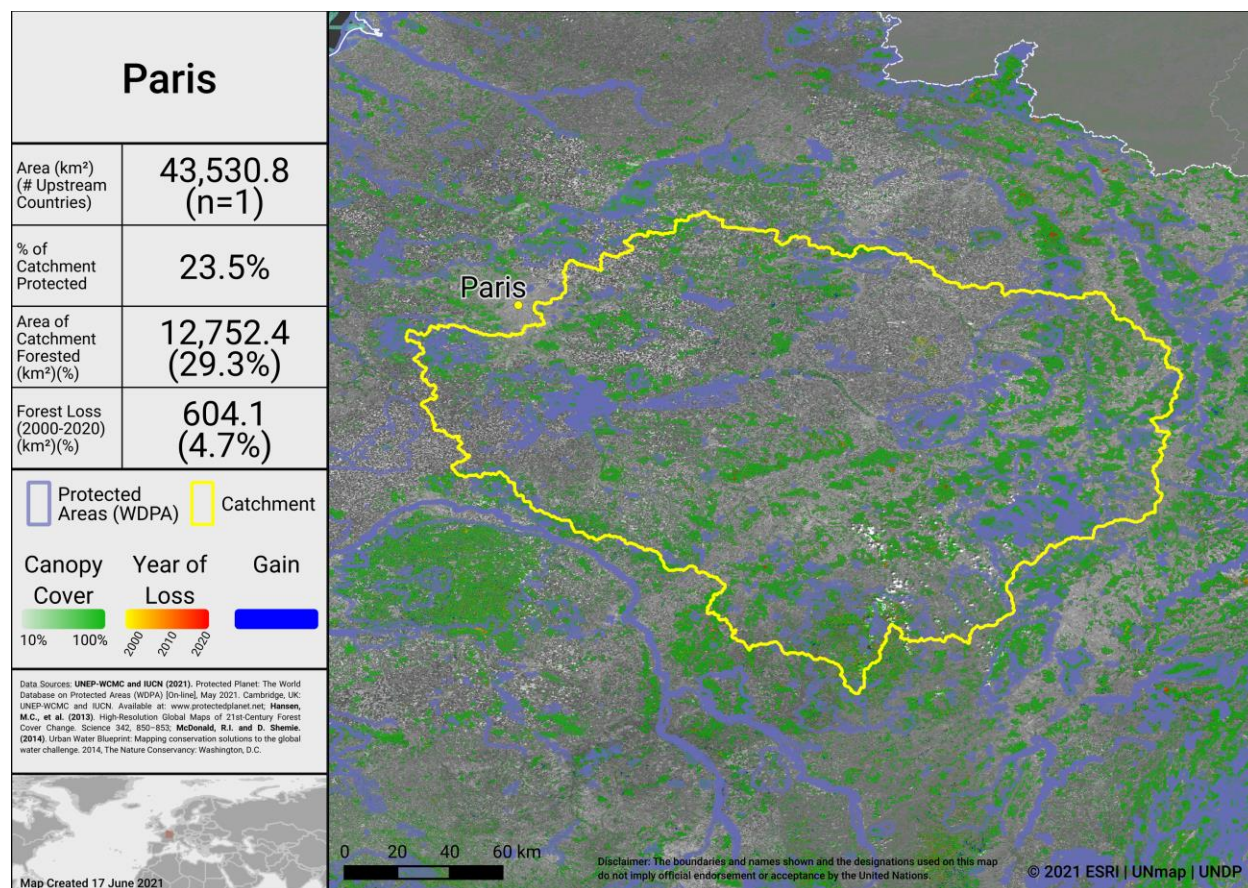


Carbon Stocks in mainland France (data unavailable for overseas regions and territories)

Water

Forests support stormwater management and clean water availability, especially for large urban populations. Research that has examined the role of forests for city drinking water supplies shows that of the world's 105 largest cities, more than 30% (33 cities) rely heavily on the local protected forests, which provide ecosystem services that underpin local drinking water availability and quality (Dudley & Stolton, 2003).

Drinking water supplies for cities in France may similarly depend on protected forest areas within and around water catchments. The map below shows the percentage forest and PA cover and the forest loss from 2000-2020 in the most heavily populated water catchment of France. Intact catchments can support more consistent water supply and improved water quality.



Water supply area for the city of Paris

Opportunities for action

For carbon, there is opportunity for France to increase PA and OECM coverage in both marine and terrestrial areas with high carbon stocks, as identified in the map above. Protecting areas with high carbon stocks secures the benefits of carbon sequestration in the area.

For water, there is opportunity to increase the area of the water catchment under protection by PAs and OECMs, or in cases where there is high levels of protection, focus on effective management for these areas. Protecting the current area of forested land and potentially reforesting would have benefits for improving water security.



CONNECTIVITY & INTEGRATION

Two global indicators, the Protected Connected land indicator (ProtConn; EC-JRC, 2021; Saura et al., 2018) and the PARC-Connectedness indicator (CSIRO, 2019), have been proposed for assessing the terrestrial connectivity of PA and OECM networks (to date there is not a global indicator for assessing marine connectivity).

Protected Connected Land Indicator (Prot-Conn)

As of January 2021, as reported in the Joint Research Centre of the European Commission's Digital Observatory for Protected Areas (DOPA) (JRC, 2021), the coverage of protected-connected lands (a measure of the connectivity of terrestrial protected area networks, assessed using the ProtConn indicator) in mainland France⁹ was 19.6%.

PARC-Connectedness Index

In 2019, as assessed using the PARC-Connectedness Index (values ranging from 0-1, indicating low to high connectivity), connectivity in mainland France¹⁰ was 0.40. This represents no significant change since 2010.

Corridor case studies

There are no corridor case studies available for France.

Opportunities for action

There is opportunity to focus on PA and OECM management for enhancing and maintaining connectivity. Improving connectivity increases the effectiveness of PAs and OECMs and reduces the impacts of fragmentation.

As well, a range of suggested steps for enhancing and supporting integration are included in the voluntary guidance on the integration of PAs and OECMs into the wider land- and seascapes and mainstreaming across sectors to contribute, inter alia, to the SDGs (Annex I of COP Decision 14/8).

⁹ Prot-Conn values for overseas regions and territories: French Guiana (48.0%); French Polynesia (1.7%); French Southern and Antarctic Territories (99.5%); Guadeloupe (69.0%); Martinique (62.5%); Mayotte (4.6%); New Caledonia (56.1%); Réunion (63.2%); Saint Barthélemy (not assessed); Saint Martin (French Part) (not assessed); Saint Pierre and Miquelon (5.5%); Wallis and Futuna Islands (not assessed)

¹⁰ Prot-Conn values for overseas regions and territories: French Guiana (0.71); French Polynesia (0.42); French Southern and Antarctic Territories (1.0); Guadeloupe (0.63); Martinique (0.61); Mayotte (0.11); New Caledonia (0.59); Réunion (0.66); Saint Barthélemy/Saint Martin (French Part) (0.17); Saint Pierre and Miquelon (0.20); Wallis and Futuna Islands (0.01)

GOVERNANCE DIVERSITY

There is a lack of comprehensive global data on governance quality and equity in PAs and OECMs. Here, we provide data on the diversity of governance types for reported PAs and OECMs.

France stresses that this indicator, although based on an a priori factual analysis of the database, gives a very likely erroneous picture of the diversity of governance of French protected areas.

Many protected areas are in fact managed by local communities (e.g., regions) or associations.

France will ensure a better correspondence between its tools and the repository in place for reporting on governance.

As of May 2021, PAs in mainland France reported in the WDPA have the following governance types:

- 98.4% are governed by **governments** (by federal or national ministry or agency)
- 0.7% are under **shared** governance (by collaborative governance)
- 0.0% are under **private** governance
- 0.0% are under **IPLC** governance
- 0.8% **do not** report a governance type

PAs in French overseas regions and territories have the following governance types:

- 83.9% are governed by **governments**
 - 79.9% by federal or national ministry or agency
 - 4.0% by Sub-national ministry or agency
- 0.0% are under **shared** governance
- 0.0% are under **private** governance
- 0.0% are under **IPLC** governance
- 16.1% **do not** report a governance type

OECMs

As of May 2021, there are **0** OECMs in France reported in the WD-OECM, therefore there is no data available on OECM governance types.

Privately Protected Areas (PPAs)

There is currently no data available on PPAs for France (see Gloss et al., 2019, and Stolton et al., 2014 for details)

Territories and areas conserved by Indigenous Peoples and local communities (ICCAs)

There is currently no data available on ICCAs for Maldives (see Kothari et al., 2012 and the [ICCA Registry](#) for further details).



Other Indigenous land

Lands managed and/or controlled by Indigenous Peoples in French overseas regions and territories cover an area of 108,598 km², of which 101,282 km² falls outside of formal protected areas (as of 2018). Indigenous lands with a human footprint less than 4 (considered as 'natural landscapes') cover an area of 92,954 km² (for details on analysis see Garnett et al., 2018).

Opportunities for action

Explore opportunities for governance types that have lower representation, for France this could relate to shared governance, etc.

There is also opportunity for France to complete governance and equity assessments, to establish baselines, and identify relevant actions for improvement. Examples of existing tools and methodologies include: Governance Assessment for Protected and Conserved Areas (Franks & Brooker, 2018), Social Assessment of Protected Areas (Franks et al 2018), and Site-level assessment of governance and equity (IIED, 2020). As well, a range of suggested actions are included in the voluntary guidance on effective governance models for management of protected areas, including equity (Annex II of COP Decision 14/8).



PROTECTED AREA MANAGEMENT EFFECTIVENESS

This section provides information on the coverage of PAs and OECMs with completed protected area management effectiveness (PAME) assessments as reported in the global database (GD-PAME). The proportion of terrestrial and marine PAs with completed PAME assessments is also calculated and compared with the 60% target agreed to in COP-10 Decision X/31. Information is also included regarding changes in forest cover nationally within PAs and OECMs.

Protected area management effectiveness (PAME) assessments

France stresses that this indicator, although based on an a priori factual analysis of the database, gives a very likely underestimated picture of the reality of management and its assessment.

France will ensure the updating and quality of future reports relating to PAME.

As of May 2021, mainland France has 5500 PAs reported in the WDPA; of these PAs, 18 (1.6%) have management effectiveness evaluations reported in the global database on protected area management effectiveness (GD-PAME).

- 0.9% (4,995 km²) of the terrestrial area of the country is covered by PAs with completed management effectiveness evaluations.
 - 3.3% of the area of terrestrial PAs have completed evaluations.
- 0.0% (113 km²) of the marine area of the country is covered by PAs with completed management effectiveness evaluations.
 - 0.1% of the area of marine PAs have completed evaluations.

French overseas territories and regions have 421 PAs reported in the WDPA; of these PAs, 7 (0.3%) have management effectiveness evaluations reported in the GD-PAME.

- 18% (21,646 km²) of total terrestrial area with completed evaluations.
 - 32% of the area of terrestrial PAs have completed evaluations.
- 0.2% (15,566 km²) of total marine area with completed evaluations.
 - 0.5% of the area of marine PAs have completed evaluations.

The 60% target for completed management effectiveness assessments (per COP Decision X/31) **has not** been met for terrestrial PAs and **has not** been met for marine PAs.

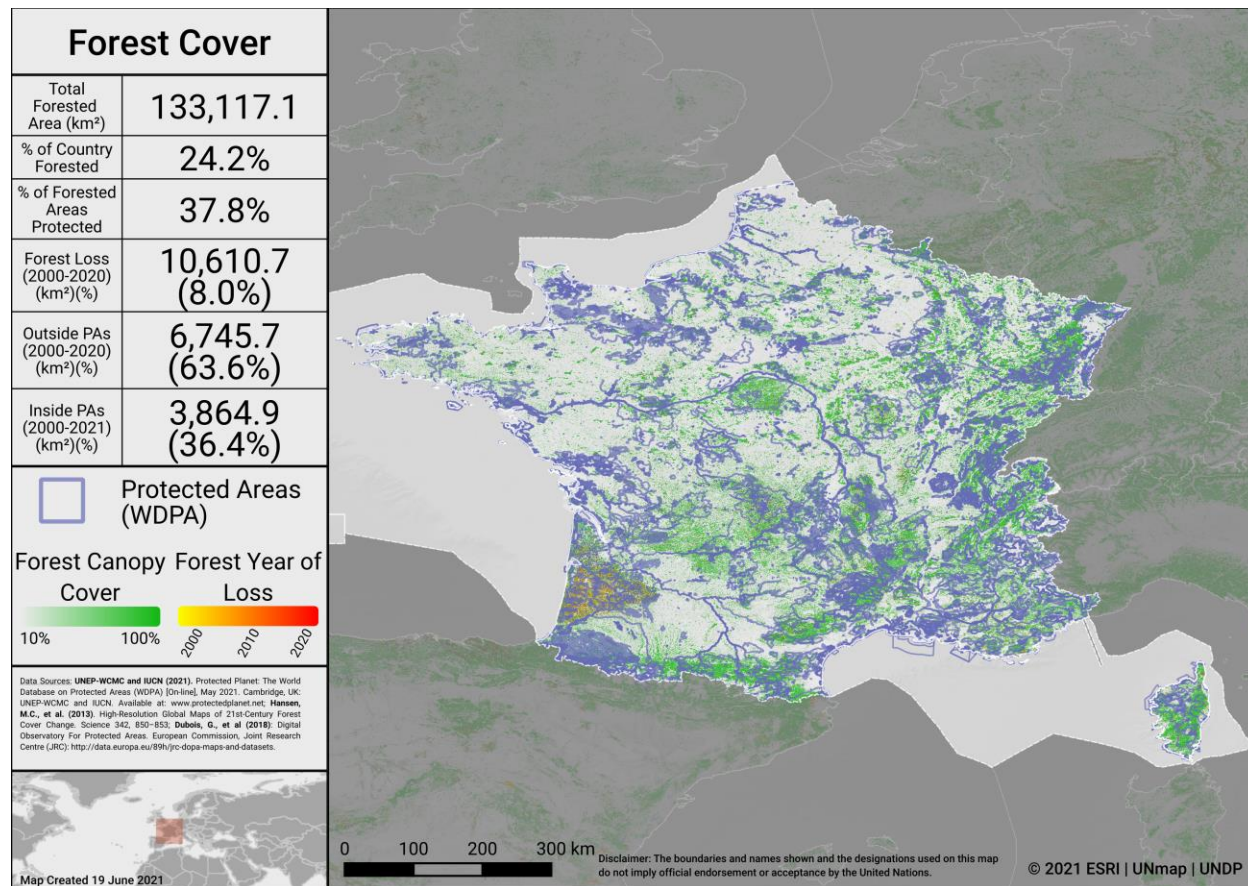
As of May 2021, there are 0 OECMs in France reported in the WDOECM and no information available on the management effectiveness of potential OECMs.

Changes in forest cover in protected areas and OECMs

Forested areas in mainland France covers approximately 24.2% of the country, an area of 133,117.1 km². Approximately 37.8% (50,319.2 km²) of this is within the protected area estate of mainland France. Over the period 2000-2020 loss of forest cover amounted to over 10,610.7 km², or 1.9% of the country (8.0% of forest area), of which 3,864.9 km² (36.4% of forest loss) occurred within protected areas. The map below shows how forest



cover has changed in mainland France from 2000-2020 both inside and outside of PAs. This can indicate how effective PAs are in reducing forest cover loss.



Forest Cover and Forest Loss in mainland France (data unavailable for overseas regions and territories)

Opportunities for action

The 60% target for completed management effectiveness assessments (per COP Decision X/31) **has not** been met for terrestrial PAs and **has not** been met for marine PAs. Therefore, there is opportunity to increase protected area management effectiveness (PAME) evaluations for both terrestrial and marine PAs to achieve the target.

There is also opportunity to implement the results of completed PAME evaluations, to improve the quality of management for existing PAs and OECMs (e.g. through adaptive management and information sharing, increasing the number of sites reporting 'sound management') and to increase reporting of biodiversity outcomes in PAs and OECMs.

SECTION II: EXISTING PROTECTED AREA AND OECM COMMITMENTS

NATIONAL BIODIVERSITY STRATEGY AND ACTION PLANS (NBSAPs)

France has submitted an NBSAP during the Strategic Plan for Biodiversity 2011-2020 (most recent NBSAP is available at: <https://www.cbd.int/nbsap/search/>).

NBS Target 5 Build a green infrastructure including a coherent network of protected areas

NBS Target 6 Preserve and restore ecosystems and their functioning

UN OCEAN CONFERENCE VOLUNTARY COMMITMENTS

Voluntary commitments for the UN Ocean Conference are initiatives voluntarily undertaken by governments, the UN system, non-governmental organizations, among other actors—individually or in partnership—that aim to contribute to the implementation of SDG 14 (here we focus in particular on SDG 14.5). The registry of commitments was opened in February 2017, in the lead up to the first UN Ocean Conference (5 to 9 June 2017).

Ocean Actions improving MPA or OECM coverage:

#OceanAction21380: Implement the management of 22% of the French EEZ already classified as Marine Protected Areas and enlarge this network with the extension of the French Southern Lands marine reserve (TAAF overseas Territory) in order to reach 32% of French waters under ..., by French Ministry for the Ecological and Solidary Transition, France (TAAF overseas Territory) (Government).

- Area to be added: 0 km² **[complete]**
- Progress report: No progress report submitted (as of March 2021).
- Further details available at: <https://oceanconference.un.org/commitments/?id=21380>.

#OceanAction20294: Te Tai Nui Atea - Marine Managed Area (5 million km²), by French Polynesia Government (Government).

- Area to be added: ~5 million km²
- Details: French Polynesia has a 5 million km² EEZ. The project is to create a Marine Managed Area at the size of the EEZ. It will be named : Te Tai Nui Atea. This initiative aims at conserving and sustainably use our marine environment and its resources for our current and future generations. It is also our contribution to the regional and global effort to maintain and restore the health, productivity and resilience of our Ocean



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- Progress report: Overall status: On Track (report submitted October 2018; no other recent progress reports). In 2018, it was noted that: “Consultations for legislations framework and finalization of management plans could delay the process”
- Further details available at:
<https://oceanconference.un.org/commitments/?id=21380>.

Other Ocean Actions

Other Ocean Actions submitted as voluntary commitments for SDG 14.5, will also create benefits for the qualifying elements of Aichi Biodiversity Target 11:

#OceanAction15757: An innovative financial mechanism to support the effective management of MPAs in the Mediterranean basin; a public-private commitment in a regional approach for local beneficiaries, by Governments of Monaco, France, Tunisia, Morocco, Albania and regional organizations (Government).

- Types of actions involved: MPA management and/or enforcement; sustainable financing; reinforce ecological, social and economic values.
- Target 11 element addressed: Effectively managed; Ecosystem services.
- Progress report: Overall status: Completed (May 2019).
- Further details available at:
<https://oceanconference.un.org/commitments/?id=15757>

#OceanAction19341: Coral Sea Natural Park management plan by New-Caledonia Government.

- Types of actions involved: Spatial planning; develop/implement management plans.
- Target 11 element addressed: Integration; Effectively managed.
- Progress report: No progress report submitted (as of May 2021).
- Further details available at:
<https://oceanconference.un.org/commitments/?id=19341>



OTHER ACTIONS/COMMITMENTS

Leaders' Pledge for Nature

France **has** signed onto the Leaders' Pledge for Nature.

Political leaders participating in the United Nations Summit on Biodiversity in September 2020, representing 88 countries from all regions and the European Union, have committed to reversing biodiversity loss by 2030. By doing so, these leaders are sending a united signal to step up global ambition and encourage others to match their collective ambition for nature, climate, and people with the scale of the crisis at hand.

High Ambition Coalition for Nature and People

France **has** joined the High Ambition Coalition for Nature and People.

The High Ambition Coalition for Nature and People (HAC) is an intergovernmental group, co-chaired by France and Costa Rica [currently including 65 countries and the European Commission]. Its objective is to support the adoption of a target aiming to protect 30% of the planet's land and 30% of its oceans by 2030 (30x30 target), within the future global framework of the Convention on Biological Diversity (CBD) for the protection of biodiversity, which is to be adopted at the next COP in China this autumn.

Global Ocean Alliance

France **has** joined the Global Ocean Alliance: 30by30 initiative.

The Global Ocean Alliance 30by30 is a UK led initiative [currently containing 53 countries as signatories]. Its aim is to protect at least 30% of the global ocean as Marine Protected Areas (MPAs) and Other Effective area-based Conservation Measures (OECMs) by 2030.



ANNEX I

FULL LIST OF TERRESTRIAL ECOREGIONS

Ecoregions in *italic* are located in mainland France, the remainder are in French overseas regions and territories

Ecoregion Name	Area (km²)	% of Global Ecoregion in Country	% of Country in Ecoregion	Area Protected (km²)	% Protected in Country
<i>Alps conifer and mixed forests</i>	18,030.0	12.0	2.7	9,457.0	52.5
Amazon-Orinoco-Southern Caribbean mangroves	2,328.2	5.7	0.3	1,254.2	53.9
Amsterdam-Saint Paul Islands temperate grasslands	69.2	100.0	0.0	69.2	100.0
Bahamian-Antillean mangroves	269.0	1.2	0.0	152.8	56.8
<i>Cantabrian mixed forests</i>	19,629.9	20.4	2.9	7,011.4	35.7
Caribbean shrublands	1,087.2	34.9	0.2	570.8	52.5
Clipperton Island shrub and grasslands	28.8	100.0	0.0	0.0	0.0
Comoros forests	379.0	18.4	0.1	16.9	4.5
<i>Corsican montane broadleaf and mixed forests</i>	3,633.6	100.0	0.5	2,828.8	77.9
Eastern Canadian forests	239.9	0.1	0.0	9.7	4.0
<i>European Atlantic mixed forests</i>	234,373.0	60.6	35.0	40,904.0	17.5
Fiji tropical moist forests	175.0	1.5	0.0	0.3	0.2

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Ecoregion Name	Area (km²)	% of Global Ecoregion in Country	% of Country in Ecoregion	Area Protected (km²)	% Protected in Country
Guianan Highlands moist forests	245.9	0.2	0.0	245.9	100.0
Guianan lowland moist forests	81,030.6	17.0	12.1	42,172.5	52.0
Ile Europa and Bassas da India xeric scrub	21.6	100.0	0.0	0.0	0.0
<i>Italian sclerophyllous and semi-deciduous forests</i>	<i>1,171.0</i>	<i>1.1</i>	<i>0.2</i>	<i>395.8</i>	<i>33.8</i>
Leeward Islands moist forests	721.9	73.2	0.1	701.6	97.2
Lesser Antillean dry forests	95.8	15.0	0.0	50.8	53.1
Marquesas tropical moist forests	1,074.2	100.0	0.2	36.7	3.4
Mascarene forests	3,038.4	61.6	0.5	1,592.0	52.4
New Caledonia dry forests	4,408.3	100.0	0.7	2,425.0	55.0
New Caledonia rain forests	14,522.8	100.0	2.2	8,193.3	56.4
<i>Northeast Spain and Southern France Mediterranean forests</i>	<i>57,596.8</i>	<i>63.4</i>	<i>8.6</i>	<i>26,576.0</i>	<i>46.1</i>
<i>Pyrenees conifer and mixed forests</i>	<i>12,193.2</i>	<i>47.0</i>	<i>1.8</i>	<i>7,841.2</i>	<i>64.3</i>
Society Islands tropical moist forests	1,620.5	100.0	0.2	0.0	0.0
Southern Indian Ocean Islands tundra	7,459.3	91.2	1.1	7,099.7	95.2

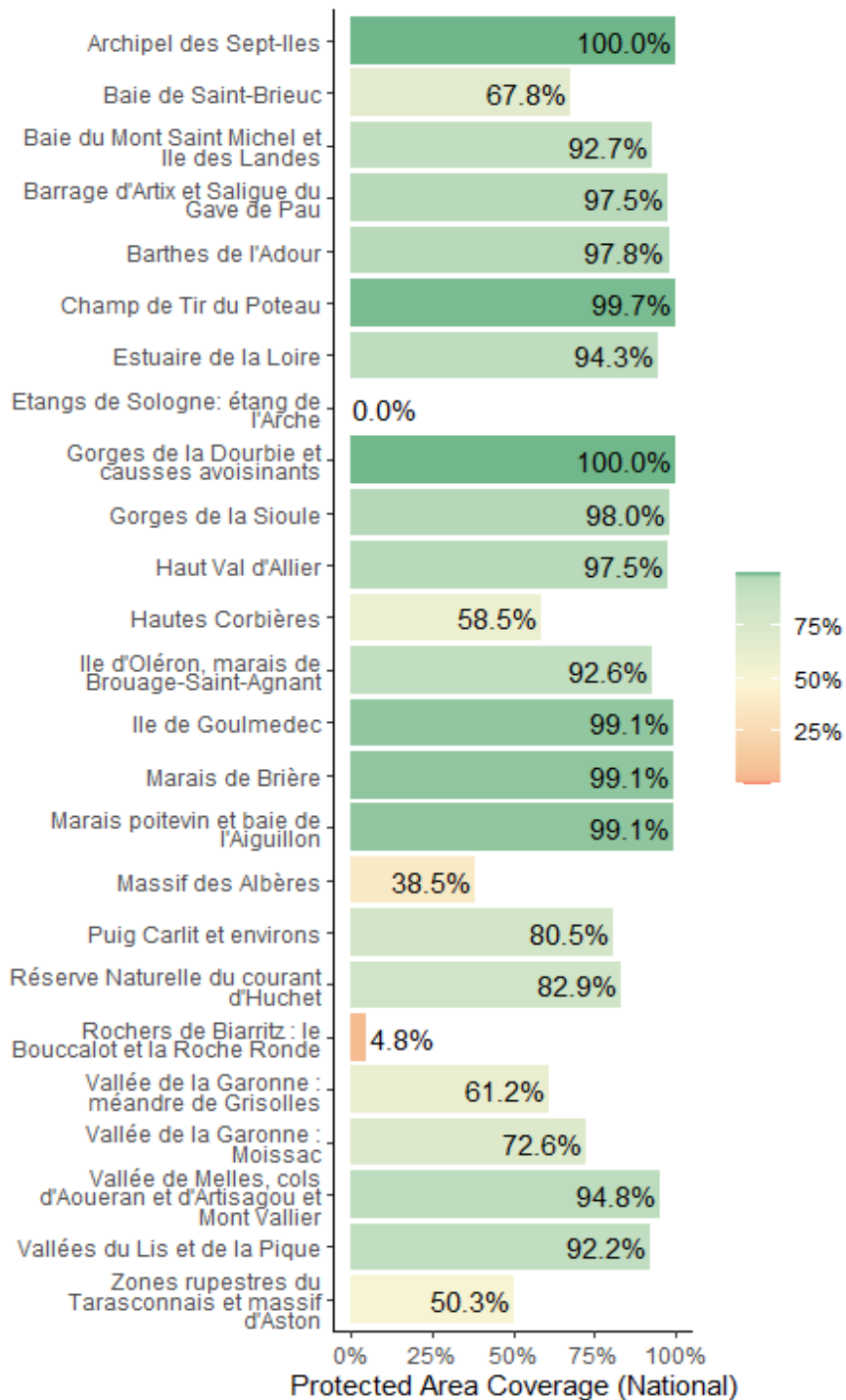


Ecoregion Name	Area (km²)	% of Global Ecoregion in Country	% of Country in Ecoregion	Area Protected (km²)	% Protected in Country
Tuamotu tropical moist forests	895.9	95.0	0.1	0.0	0.0
Tubuai tropical moist forests	141.6	100.0	0.0	0.0	0.0
<i>Tyrrhenian-Adriatic sclerophyllous and mixed forests</i>	5,200.6	6.1	0.8	1,273.1	24.5
<i>Western European broadleaf forests</i>	198,374.7	40.2	29.6	53,281.4	26.9
Windward Islands moist forests	715.3	35.5	0.1	428.3	59.9

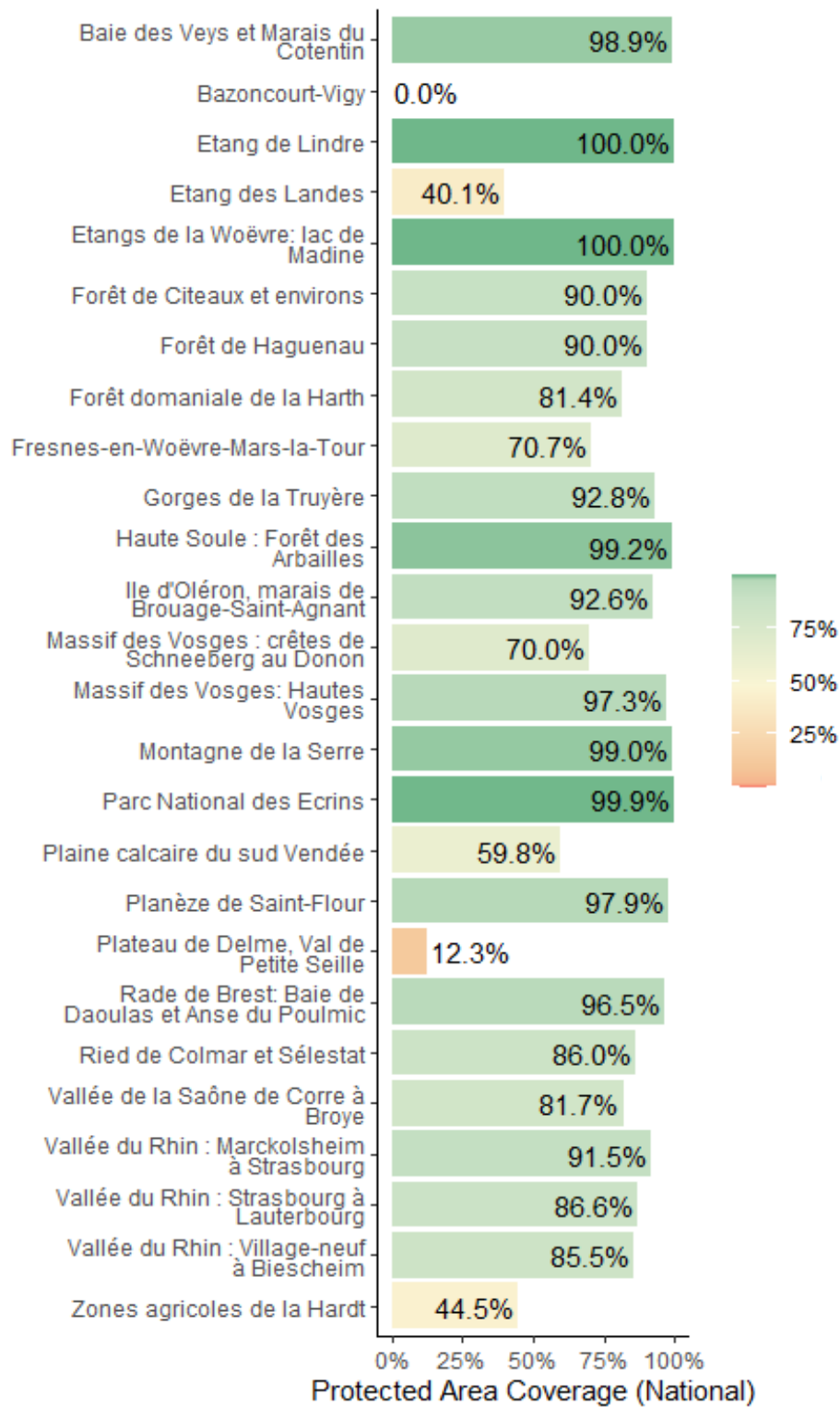


ANNEX II

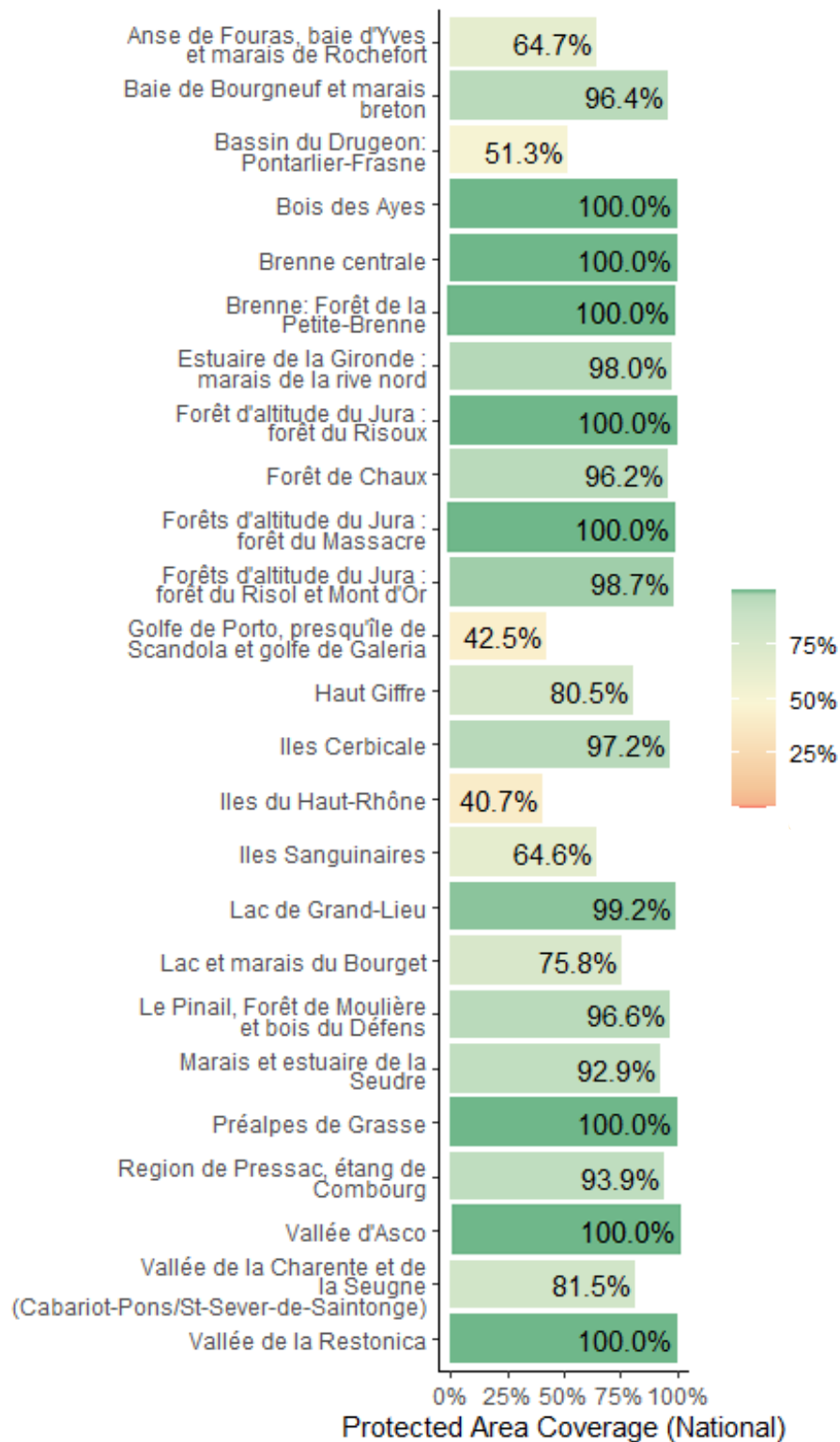
KBA GRAPHS



Key Biodiversity Area Coverage (KBA) in France



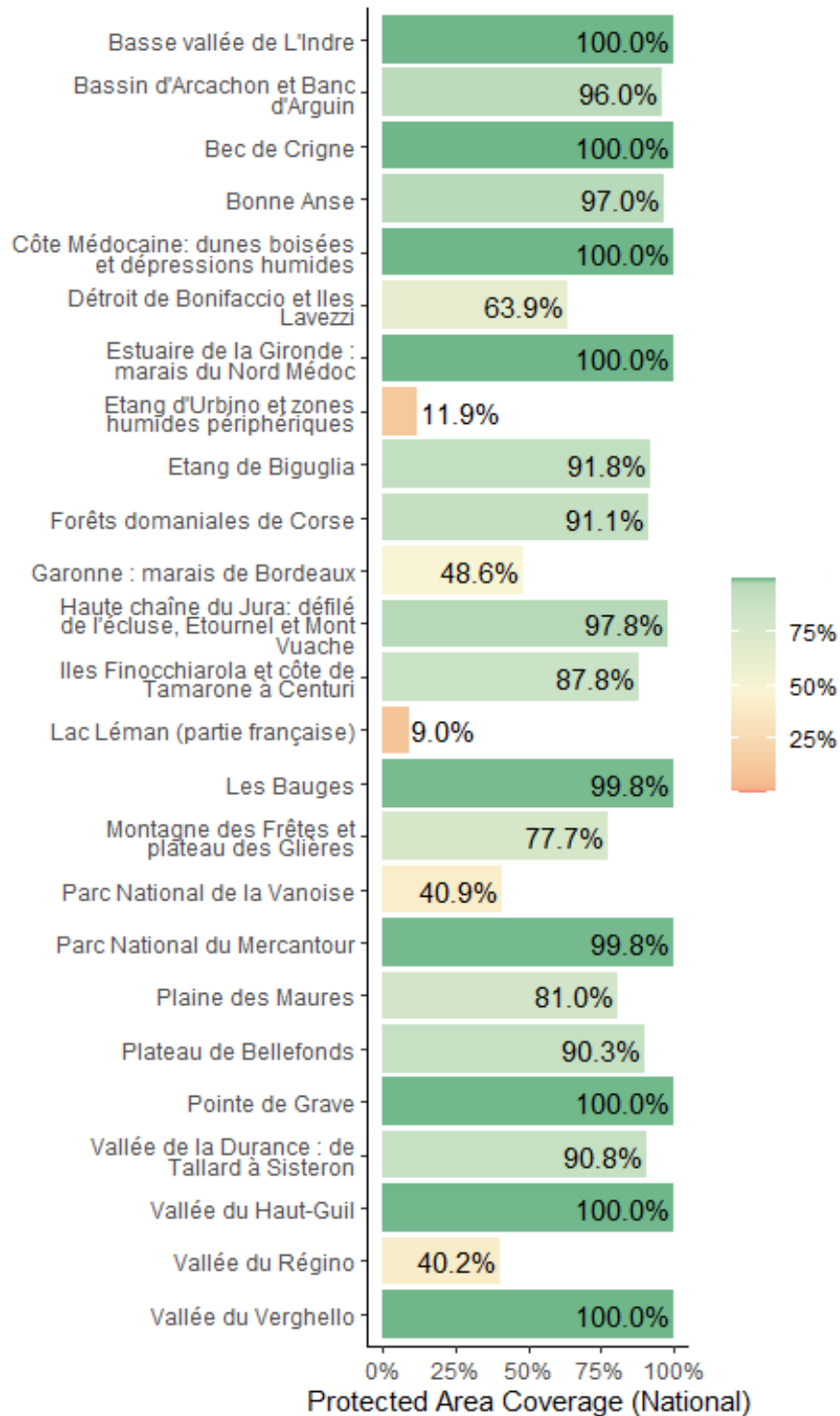
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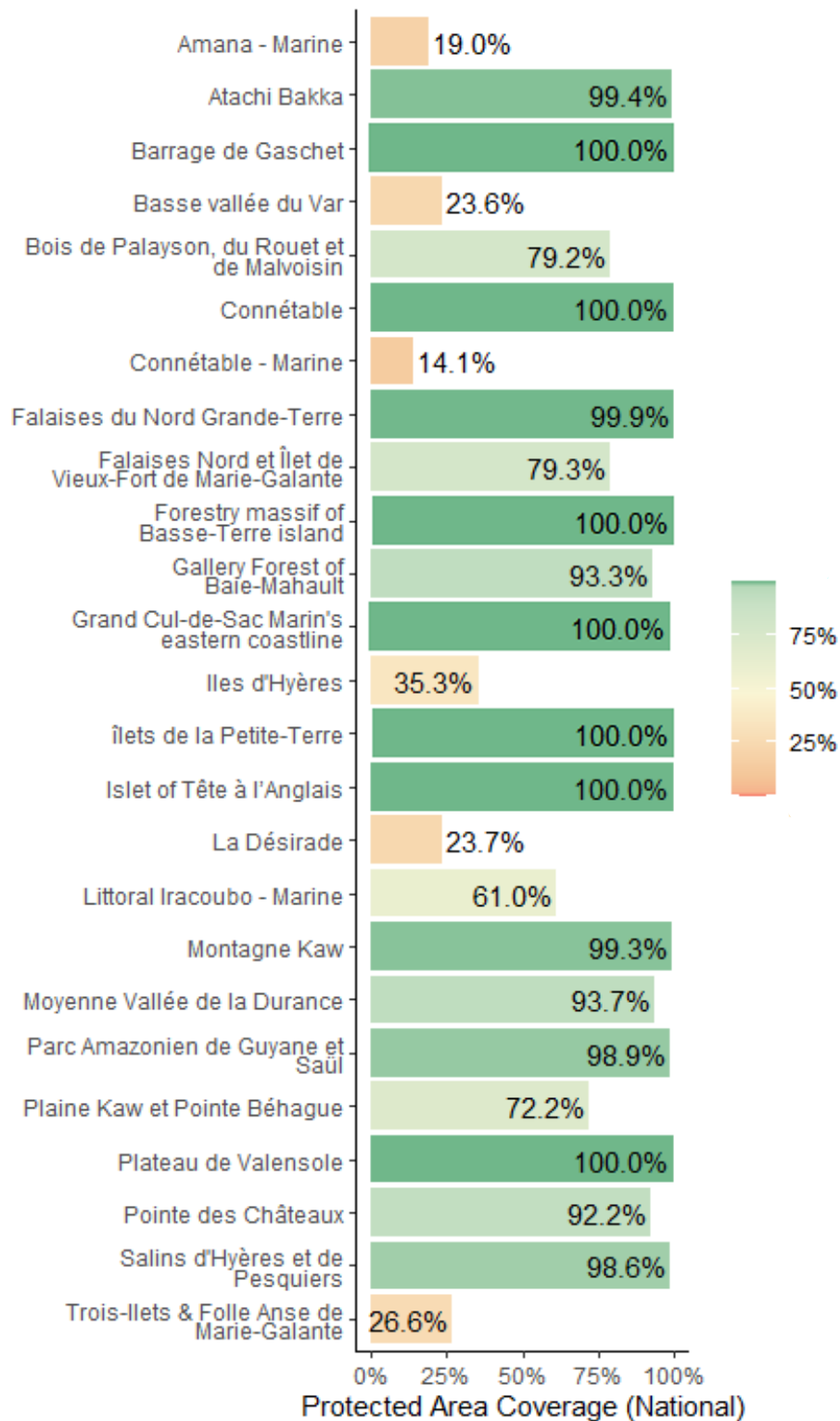


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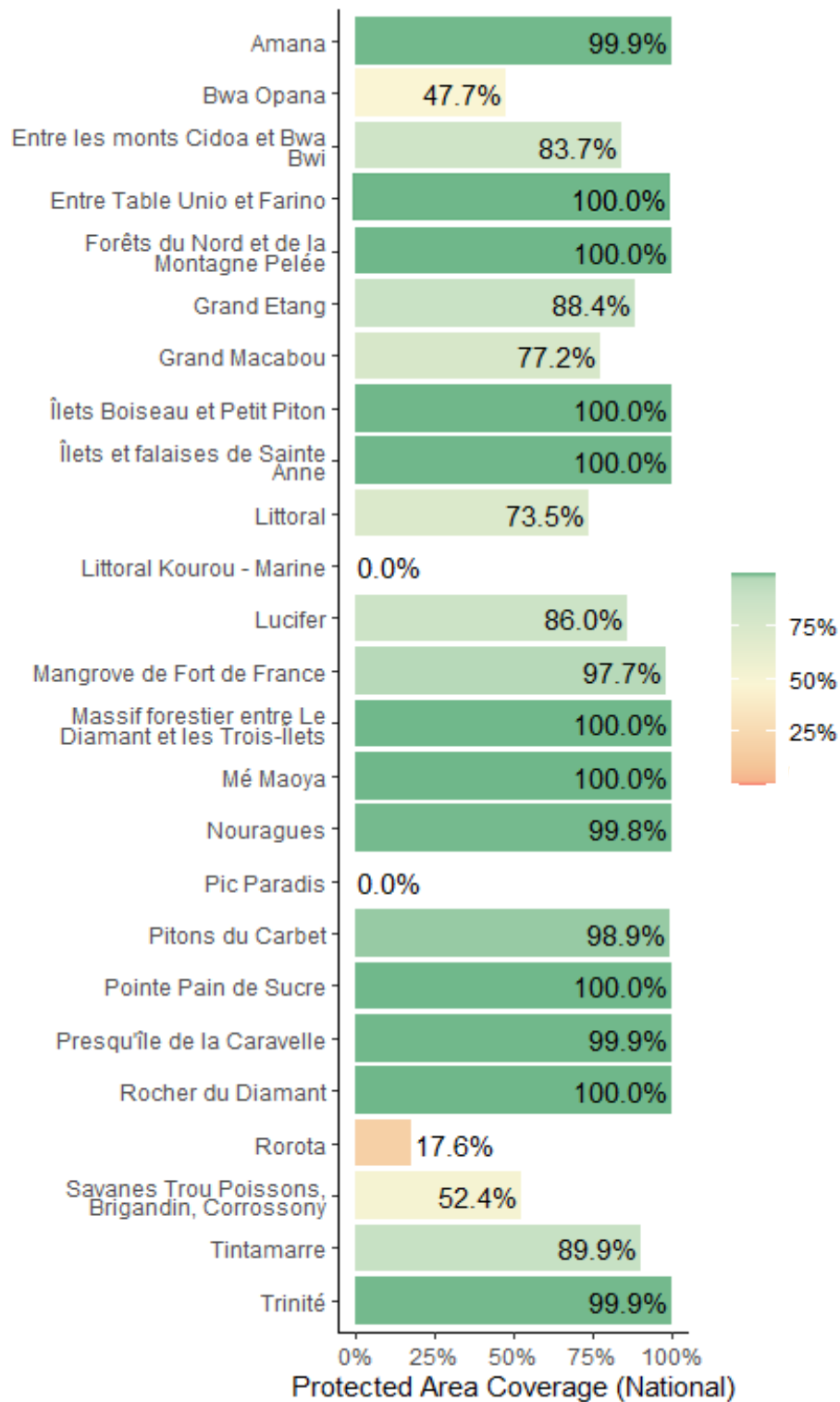


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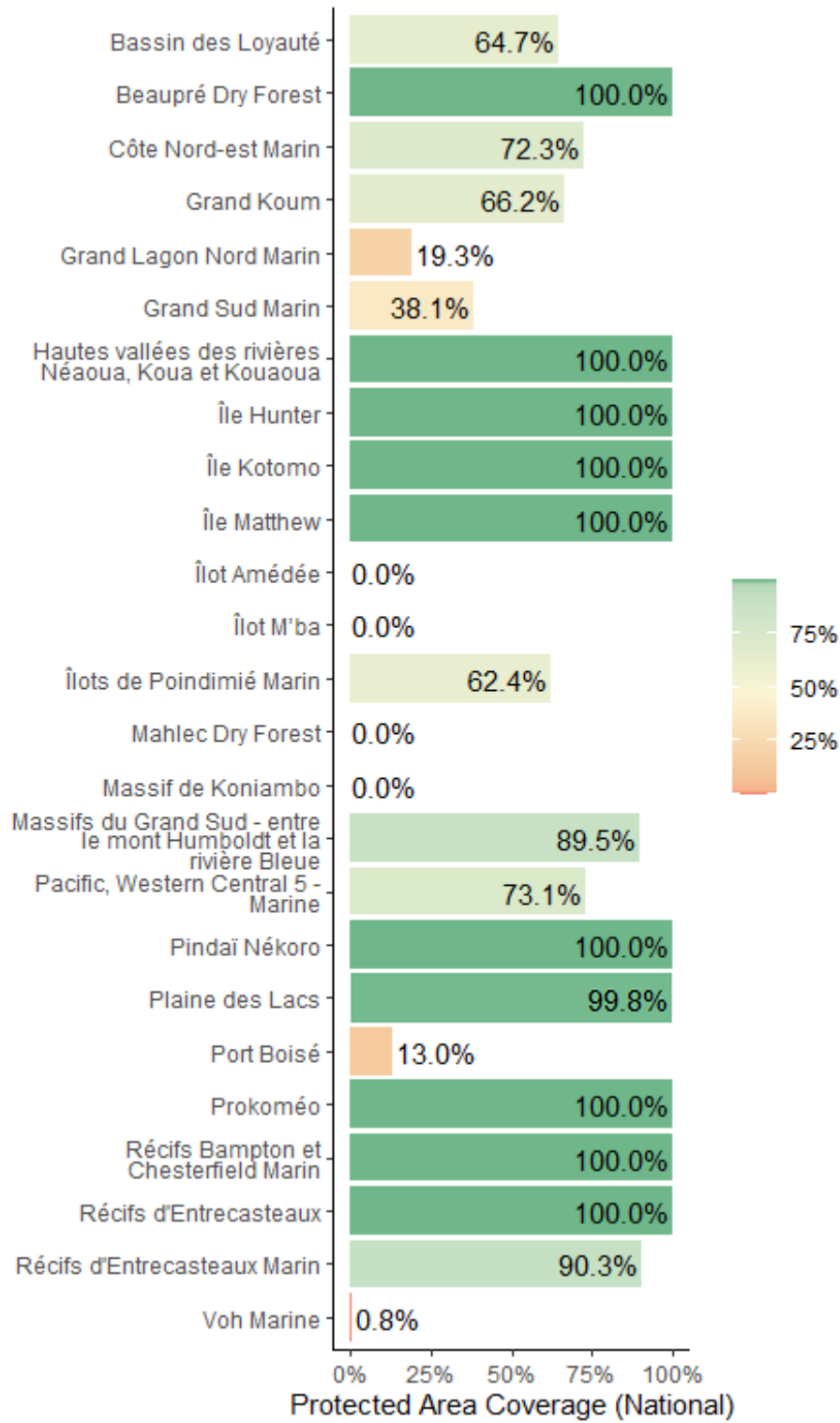
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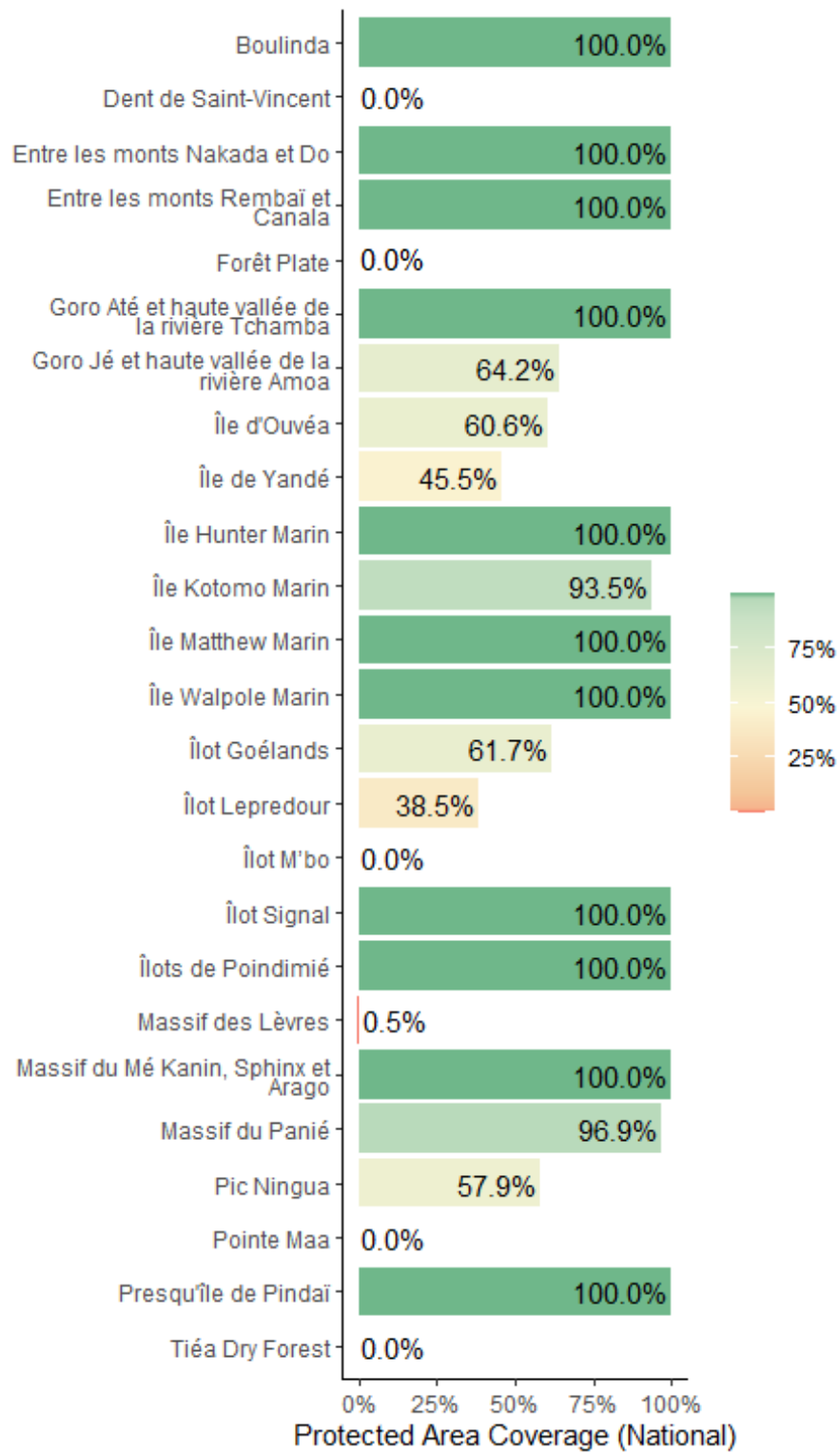
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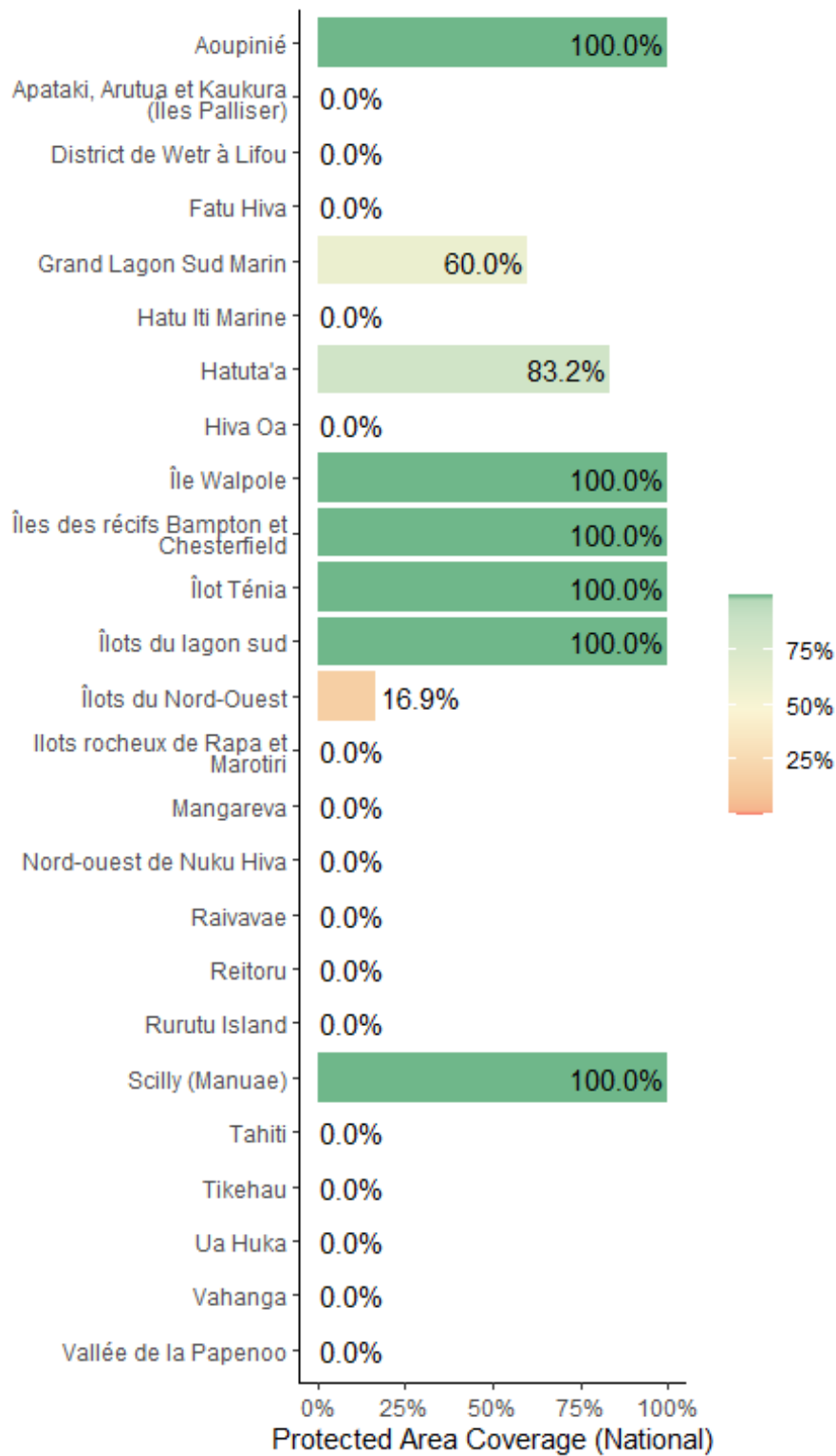
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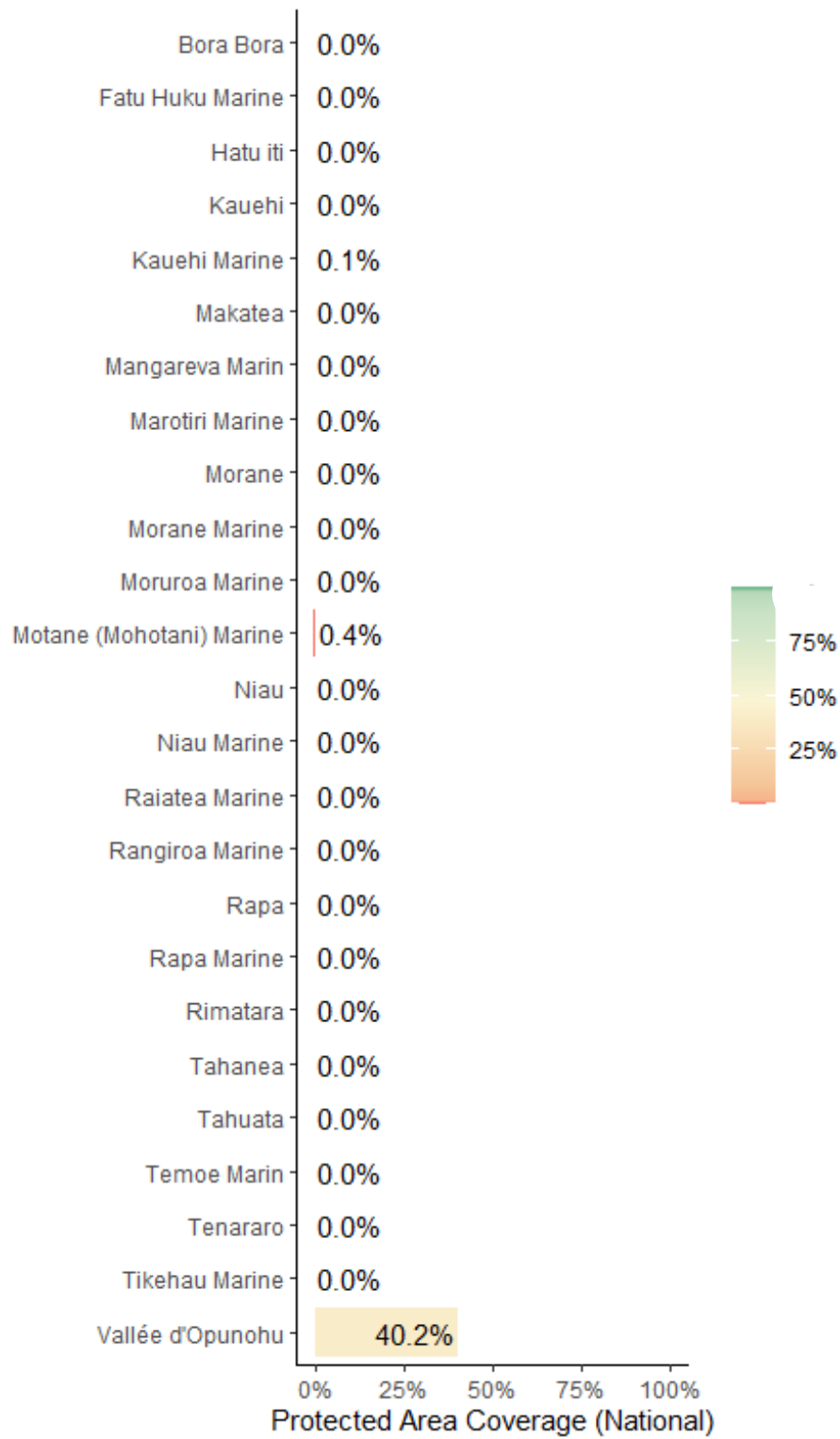
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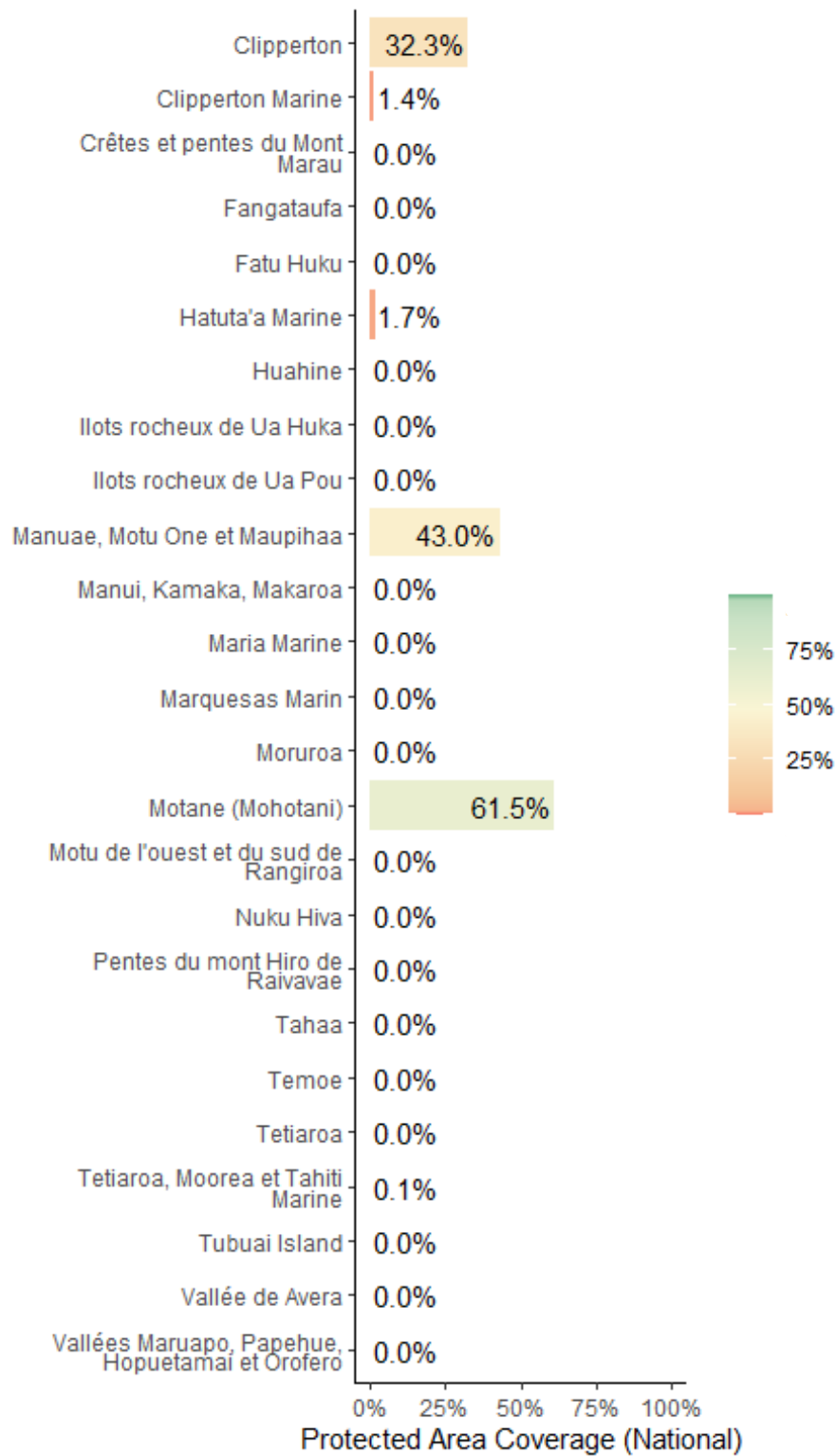


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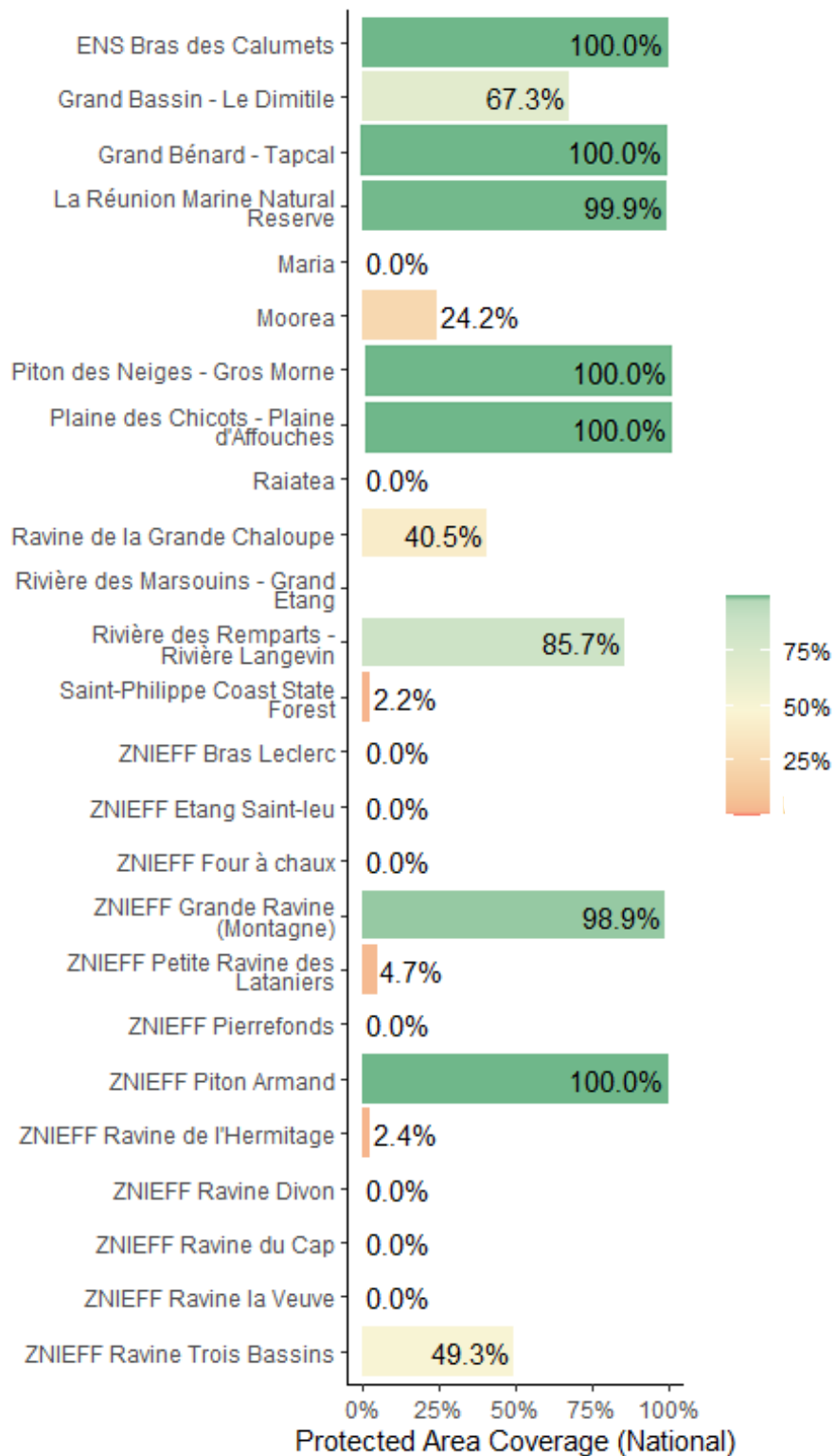
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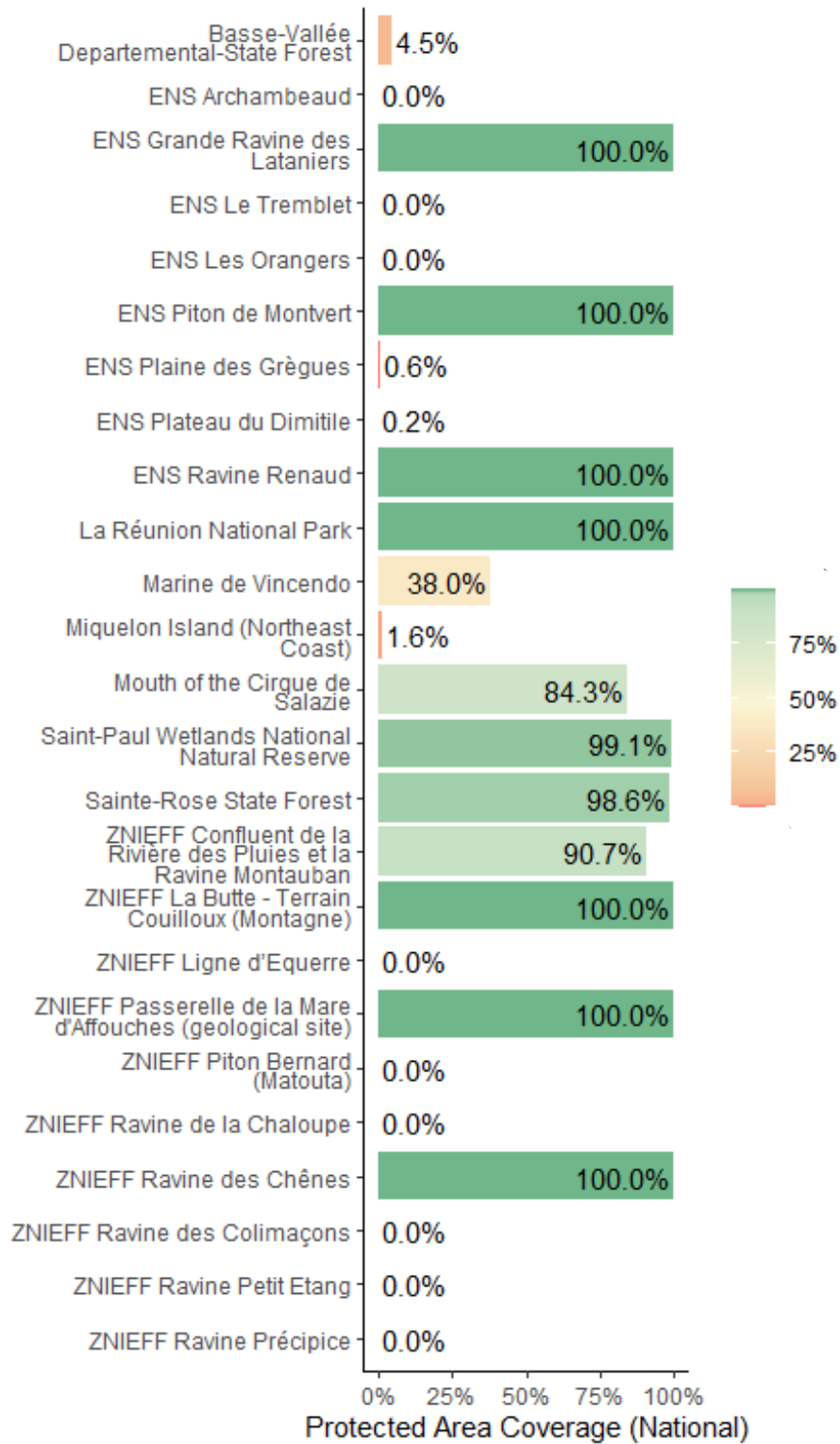


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Key Biodiversity Area Coverage (KBA) in France



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